



1/4" "RADIO" RANGE

237



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276



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257



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316



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339



Impact screwdrivers	
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CHOOSING YOUR SOCKETS

RANGE, PERFORMANCE AND SAFETY BY FACOM

RANGE







- The FACOM range includes over 1500 different ratchets, sockets, accessories and sets to meet your every need, from light engineering to power-assisted work or live working applications.

PERFORMANCE









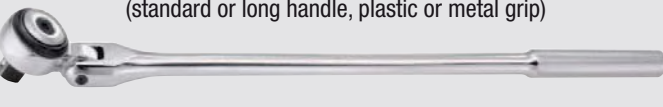




- The performance of Facom's ratchets, sockets and accessories greatly exceeds current standard specifications.

SAFETY

- For your safety always observe colour codes as well as safety instructions
 - Chrome finish: manual use only.
 - Black: use with impact or power tools.
 - Orange: live, manual use
 - Bronze/Copper: use in explosive atmosphere.

COLOUR OF THE SOCKET OR ACCESSORY	USE	DIMENSIONS	SQUARE DRIVE	
Chromed 	Light engineering Electronics Electromechanical Cycles	3.2 to 14 mm 3/16" to 9/16"	Radio range 1/4"	p. 250
Chromed 	Mechanical engineering Automotive engineering	7 to 24 mm 1/4" to 1"	Junior range 3/8"	p. 258
	Motorcycles	8 to 34 mm 1/4" to 1"	Standard range 1/2"	p. 276
Chromed 	Mechanical engineering Heavy goods vehicles Civil engineering plant	19 to 55 mm 3/4" to 2"1/4"	Truck range 3/4"	p. 393
	Farming equipment Offshore	41 to 100 mm 1"13/16 to 3"3/8"	Mammoth range 1"	p. 316
Black 	For all your power-assisted torquing applications	6 to 120 mm 3/8" to 2"1/8"	Impact range 3/8", 1/2", 3/4", 1", 1"1/2" Manual impact wrenches Power-assisted impact machines Power-assisted bolters	p. 320 p. 678 p. 712 p. 691
Orange 	For all live working applications	Sockets 6 to 12 mm Sockets 9 to 19 mm Sockets 8 to 22 mm	Radio 1/4" Junior 3/8" Standard 1/2"	p. 803 p. 804 p. 806
Copper-Beryllium 	For all work in explosive atmosphere		See = ADF range	p. 738

CHOOSE YOUR RATCHET

USE	OFFER	OTHER BENEFITS	
Standard	<p>Pear head ratchets Ideal: these ratchets are ideal for use in difficult working conditions.</p> 	Very compact Precise palm control	Square: 1/4"-3/8"-1/2" RL.161 JL.161 SL.161
	<p>Palm control ratchets FACOM tradition. Ring reversing. The palm-control system allows the operator to push down on the head of the ratchet while avoiding accidental reversal.</p> 	Precise	Square: 1/4"-3/8"-1/2" R.161 J.161 S.161
	<p>Standard ratchets Classical cap reversing line.</p> 		Square: 1/4"-3/8"-1/2"-3/4"-1" R.151 - J.151 - S.151 K.152 - K.149 - K.154B M.151
Speed & productivity	<p>Fast ratchets Work faster in confined areas.</p> 	Socket locking Palm control	Square: 1/4" - 3/8" - 1/2": R.360 J.360 S.360
Powerful / Reduced efforts	<p>Long ratchets Less fatigue during applications requiring high torque.</p> 		Square: 3/8"-1/2"-3/4"- 1" J.174 - S.154 K.154B K.151B + K.126A M.151 + M.126
	<p>Long hinged ratchets Combine joint for access & long handle to reduce efforts and fatigue during applications requiring high torque (handle with plastic or metal grip).</p> 	Palm control	Square: 3/8"-1/2" J.153A S.153A J.158A S.158A
Locking of sockets and accessories	<p>Sockets and accessories secured to avoid any risk falling particularly in confined spaces.</p> 	Palm control	Square: 1/4" - 3/8" - 1/2" R.360 - J.360 S.360 - J.171 J.174 - S.171
Access	<p>Hinged head ratchets (standard or long handle, plastic or metal grip)</p> 	Palm control	Square: 1/4" - 3/8" - 1/2" S.143A - S.153A S.158A - J.153A J.158A - R.158A
	<p>Ultra-compact bit ratchet Design halving size compared with a standard ratchet.</p> 	Allows also to use sockets with ECR adapter	R.PE Square: 1/4": R.PE 65.PE
	<p>Ratchet without handle For manual access with/without extension in confined spaces</p> 		Square: 1/4" R.150A
Others	<p>Intermediate ratchets To use with tee or hinged handle.</p>  		Square: 3/8" - 1/2" J.156 S.156



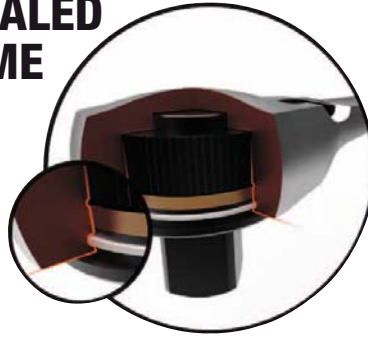
PEAR HEAD RATCHETS

RL-JL-SL.161

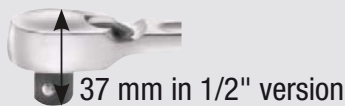
SEALED AND ROBUST

ULTRA-RESISTANT AND SEALED HEAD FOR LONGER LIFETIME

- Double sealing gasket: mechanism sealed to industrial dust.
- Maintenance free.
- Tested in aggressive conditions.



ULTRA-COMPACT HEAD



HIGH PRECISION

- 72 teeth for 5° increments.

REDUCED FATIGUE:

- Lighter 1/2" ratchet (-15% for S.161, -25% for 1/2" traditional lever ratchets.)
- Center of gravity moved towards the head for easier increment movements.

PALM CONTROL SYSTEM

- For more powerful loosening.



RECESSED REVERSE LEVER

Avoids accidental reversal and is easier to operate with gloved hands.



COMFORTABLE:

No discontinuity between the plastic and metal sections.

HOOKING EYE

Icon	Square drive
RL.161	1/4"
JL.161	3/8"
SL.161	1/2"



THE FAST RATCHET WITH ROTATING HANDLE

WORK TWICE AS FAST WITH THE ROTATING HANDLE

- The rotating handle allows fast access to improve productivity.
- Gain time, especially in confined work spaces.

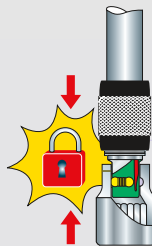


MAXIMUM COMFORT

- No need to hold the socket in the access phase = just place the socket on the screen and turn the handle.
- More comfort and access, especially in confined work spaces.

SOCKET LOCKING

- No need to secure the socket by hand when tightening threads or nuts with little or no locking.



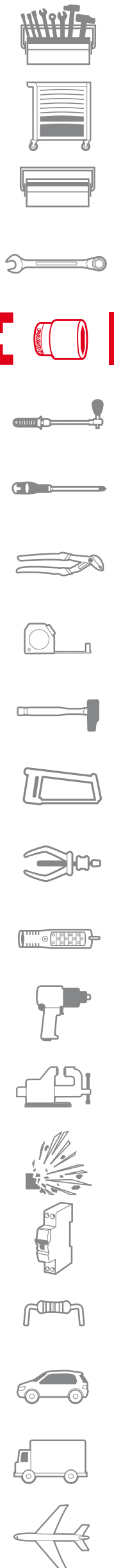
PALM CONTROL

- Ratchet head can be pressed for more powerful (un)tightening.



Model	Square drive
R.360	1/4"
J.360	3/8"
S.360	1/2"

- Also available in NANO and DETECTION BOXES.



RATCHETS AND ACCESSORIES WITH SAFETY LOCK

The Facom range of 1/4" and 1/2" ratchets and accessories prevents any accidental loss of sockets in your work space.

Locking mechanism

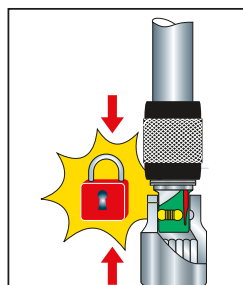
Resistant to more than 60 kg traction before socket tearing.

Instant release thanks to

- The knurled ring of the extensions,
- Releasing the ratchet for instant ejection of the socket by simple pressure, even with slippery hands.

Ratchets	Extensions	Square drive
R.360	R.210RC	1/4"
	R.215RC	
	R.217RC	
J.360	J.210RC	3/8"
J.171	J.215RC	
J.174	J.217RC	
S.360	S.210RC	1/2"
S.171	S.215RC	
	S.217RC	

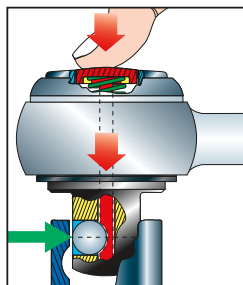
For your safety, only use ratchets and accessories with sockets with an internal ball notch.



Locking mechanism



Instant release



Sockets with ball notch

S.171

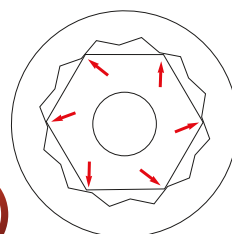


FACOM OGV® PROFILE

FACOM OGV® PROFILE

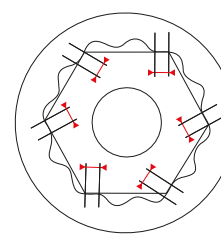
- More powerful tightening.
- Safer by strongly reducing the risk of slippage, particularly on rounded nuts.

Standard profile



Stress applied to edges

OGV®



Bears against the side faces

THE ULTRA-COMPACT BIT RATCHET

THE FACOM R.PE RATCHET WAS DEVELOPED TO DELIVER MAXIMUM POWER AND COMPACTNESS WHEN USING BITS.

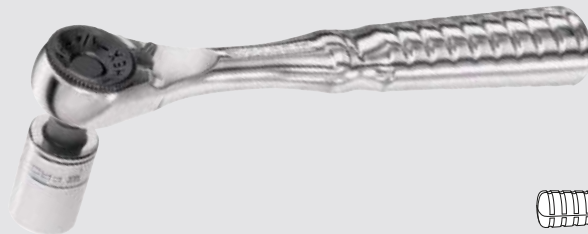
MAXIMUM COMPACTNESS

The design of the R.PE allows insertion of the bit in the mechanism while halving the height compared with a standard ratchet. Therefore, it is the most compact in the market at this level of performance.

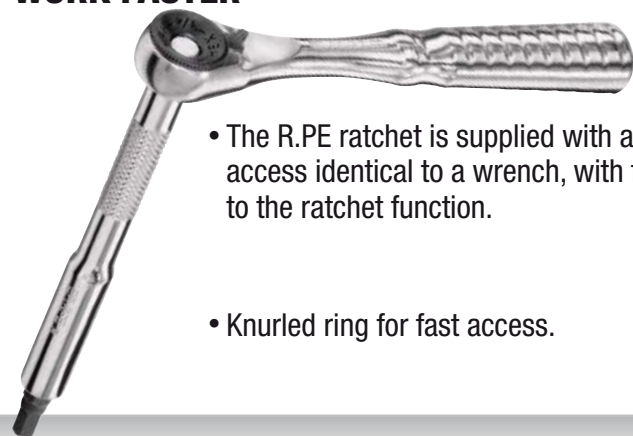


COMPATIBLE WITH 1/4" SOCKETS

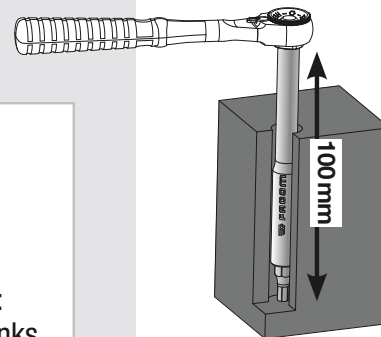
With the ECR adapter,



WORK FASTER



- The R.PE ratchet is supplied with a 100 mm extension: access identical to a wrench, with faster operation thanks to the ratchet function.
- Knurled ring for fast access.



THE ULTRA COMPACT R.PE RATCHET AND BIT TOOL SET

COMPLETE SET

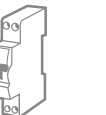
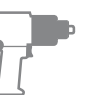
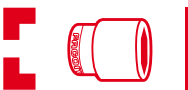
- Torx® bits: T6 to T40.
- Hexagonal bits: 1.5 mm to 8 mm.
- Bits PH no.1 - 2 - 3 / PE no.1 - 2 - 3 / Slotted head 4 - 5.5 mm.
- Adaptor for sockets.
- Extension 100 mm.

ULTRA-COMPACT

- 124 mm x 34 mm x 64 mm.

PRACTICAL

- Fast tool selection.
- Anti slip tool grip.



STORING YOUR SOCKETS

SOCKET STORAGE SYSTEMS ARE ADAPTED TO YOUR NEEDS ON THE MOVE OR WHEN WORKING IN THE WORKSHOP AND TO YOUR WORK CONSTRAINTS.

ON-SITE APPLICATIONS

COMPACT

NANO Box concept
• Square: 1/4".



DETECTION Box Concept
• Square drive: 1/2"-3/8".



FOD compatible.

Polypropylene boxes or metal boxes
• Square: 1/4"-3/8"-1/2"-3/4"-1".



Modules with thermoformed trays
• Square drive: 1/4"-3/8"-1/2"-3/4".



MOD.J1

Modules with foam trays
• Square drive: 1/4"-3/8"-1/2".



MODM.R1A

FOD compatible.

WORKSHOP WORK

SAFETY AND EFFICIENCY

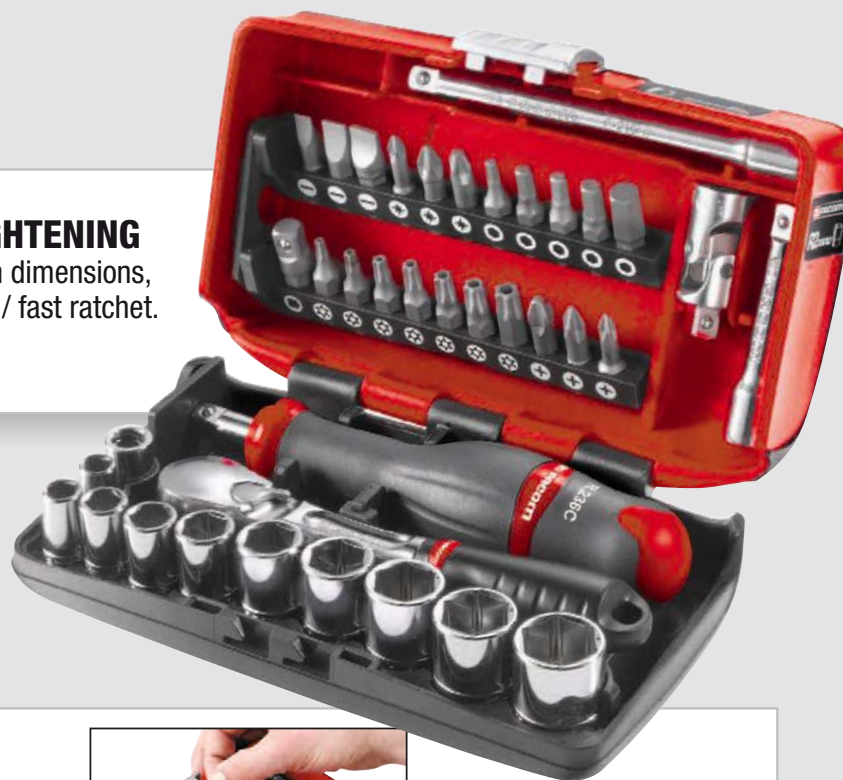
THE RNANO CONCEPT

ULTRA-COMPLETE: 100% BOLTING-TIGHTENING

- Up to 38 tools, 1/4" drive square, in metric or inch dimensions, 6-or 12- point sockets, with standard / pear head / fast ratchet.

ULTRA-COMPACT

- 50% more compact than 1/4" sets in regular box.



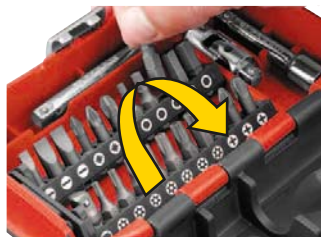
PRACTICAL: SAVE TIME

- Easy set and tool selection thanks to tool pattern tag,
- Thanks to 3-sided set identification sticker.



Easy tool picking

- Bit strips rise automatically when opening the set.



- Socket picking by tilting.



- Auto-closing clasp: closes instantly.

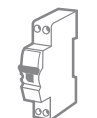


Sockets, bits, and accessories held in case of tipping



STRENGTH AND COMFORT BY FACOM

- Sturdy closing system: metal clasp and hinge rod
- Bi-material body: - Box frame in PC/B > Rigid and unbreakable.
 - Skin in TPU = soft anti-slip > Good grip
 - > Does not slip on work surface
 - > Does not scratch the intervention zone (bodywork...)
- Plastic resistant to workshop solvents.



DETECTION BOX CONCEPT

REINFORCED SAFETY

- The "Detection BOX" concept ensures instant availability check even when the box is closed.



EASY TO STORE

- Easy storage in all roller cabinet drawers (including 60 mm high).
- Adapts to 1/3 width of a roller cabinet module.
- Holds vertically.
- Does not slide, even on a smooth surface.



EASY TO CARRY

- With the extension used as a handle.

PRACTICAL

- Sockets locked securely in their slots and stay in place even when set is tipped over.











HIGH STRENGTH

- Thanks to their bi-material shell, metal clasps and metal hinge pins.



1/4" NANO SETS

METRIC DIMENSIONS

			RL.NANO1	RL.NANO112	R.360NANO	R2NANO	
			RL.161	RL.161	R.360	R.161	
			6	12	6	6	
		1/4" 6,35 mm	1/4"	1/4"	1/4"	1/4"	
 mm		5,5	•	•	•	•	
		6	•	•	•	•	
		7	•	•	•	•	
		8	•	•	•	•	
		9	•	•	•	•	
		10	•	•	•	•	
		11	•	•	•	•	
		12	•	•	•	•	
	13	•	•	•	•		
	14	•	•	•	•		
 EP		1	•	•	•	•	
		2	•	•	•	•	
		3	•	•	•	•	
 EH		3	•	•	•	•	
		4	•	•	•	•	
		5	•	•	•	•	
		6	•	•	•	•	
		7	•	•	•	•	
 ED		1	•	•	•	•	
		2	•	•	•	•	
		3	•	•	•	•	
 ES		4,5	•	•	•	•	
		6,5	•	•	•	•	
		8	•	•	•	•	
 EXR		10	•	•	•	•	
		15	•	•	•	•	
		20	•	•	•	•	
		25	•	•	•	•	
		27	•	•	•	•	
		30	•	•	•	•	
		40	•	•	•	•	
 R.209		R.209	•	•	•	•	
	 R.210		R.210	•	•	•	
			R.240A	•	•	•	•
	 R.235		R.235	•	•	•	•
			R.236A	•	•	•	•
 ECR		ECR	•	•	•	•	
			BV.NANO1				
			152 x 48 x 92 mm				
			0,81 Kg	0,745 Kg	0,85 Kg	0,85 Kg	

RL.NANO1



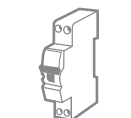
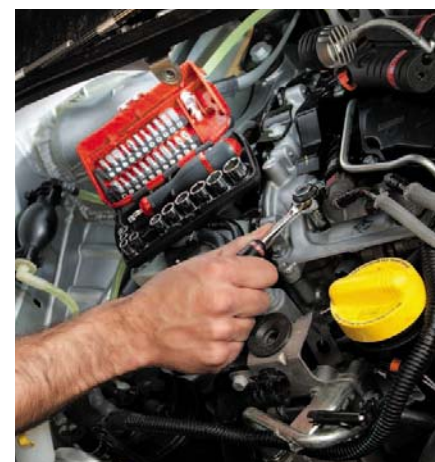
RL.NANO112



R.360NANO











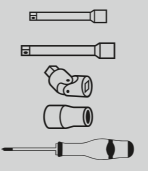





R2NANO



1/4" NANO SETS

INCH DIMENSIONS

			RL.NANO-U1	RL.NANO-U112	RL.NANO-U2	R.360NANO-U1	R.360NANO-U112	
			RL.161	RL.161	RL.161	R.360	R.360	
 12 6			6	12	12	6	12	
 1/4" 6,35 mm			1/4"	1/4"	1/4"	1/4"	1/4"	
	"	7/32	•	•	•	•	•	
		1/4	•	•	•	•	•	
		9/32	•	•	•	•	•	
		5/16	•	•	•	•	•	
		11/32	•	•	•	•	•	
		3/8	•	•	•	•	•	
		13/32	•	•	•	•	•	
		7/16	•	•	•	•	•	
		1/2	•	•	•	•	•	
9/16	•	•	•	•	•			
	EP	1	•	•	•	•	•	
		2	•	•	•	•	•	
		3	•	•	•	•	•	
	EH	1/4	•	•	•	•	•	
		1/8	•	•	•	•	•	
		3/16	•	•	•	•	•	
		5/32	•	•	•	•	•	
		7/32	•	•	•	•	•	
	ED	1	•	•	•	•	•	
		2	•	•	•	•	•	
		3	•	•	•	•	•	
	ES	4,5	•	•	•	•	•	
		6,5	•	•	•	•	•	
		8	•	•	•	•	•	
	TORX®	8	•	•	•	•	•	
		EXR	10	•	•	•	•	•
		15	•	•	•	•	•	
		20	•	•	•	•	•	
		25	•	•	•	•	•	
		27	•	•	•	•	•	
		30	•	•	•	•	•	
40	•	•	•	•	•			
	R.209	•	•	•	•	•		
	R.210	•	•	•	•	•		
	R.240A	•	•	•	•	•		
	R.235	•	•	•	•	•		
	R.236C	•	•	•	•	•		
ECR	•	•	•	•	•			
			BV.RNANO-U					
			152 x 48 x 92 mm					
			0,81 Kg	0,745 Kg	0,81 Kg	0,90 Kg	0,85 Kg	

RL.NANO-U1



RL.NANO-U112



RL.NANO-U2



R.360NANO-U1























R.360NANO-U112



1/4" CLASSICAL SETS











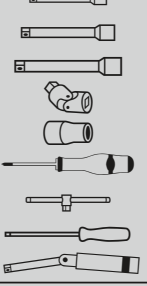

METRIC DIMENSIONS

		R.3A	R.410AE	R.410D	R.420P	R.425AP	R.426AP	R.425A
 12 6		R.161	R.151	R.151	R.161	R.161	R.161	R.151
1/4" 6,35 mm		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
 mm	3,2				•			
	4		•		•			
	5		•		•			
	5,5	•	•	•	•	•	•	•
	6	•	•	•	•	•	•	•
	7	•	•	•	•	•	•	•
	8	•	•	•	•	•	•	•
	9	•	•	•	•	•	•	•
	10	•	•	•	•	•	•	•
	11	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	
13	•	•	•	•	•	•	•	
14			•	•	•	•	•	
 EP	1				•	•	•	•
	2				•	•	•	•
	3							
 EH	3				•	•	•	•
	4				•	•	•	•
	5				•	•	•	•
	6				•	•	•	•
mm	7							
	8							
 ED	1	•						
	2	•						
	3	•						
 ES	4				•	•	•	•
	4,5							
	5,5							
	6,5				•	•	•	•
8				•	•	•	•	
 EXR	10							
	15	•						
	20	•						
	25	•						
	27							
	30	•						
40	•							
 R.209	R.209				•	•	•	•
 R.210	R.210	•	•		•	•	•	
 R.215	R.215			•	•	•	•	
 R.240A	R.240A			•	•	•	•	
 R.235	R.235	•			•	•	•	
 R.236A	R.236A	•	•	•	•	•	•	
 R.120A	R.120A			•	•	•	•	
 R.222	R.222							
 R.142	R.142							
		PL.366A	PL.390A	PL.244A	PL.442		PL.441	
					BP.102			
		204 x 122 x 52 mm						
		0,60 Kg	0,55 Kg	0,66 Kg	0,82 Kg		0,83 Kg	



1/4" CLASSICAL-COMBINED SETS

METRIC/INCH DIMENSIONS

		R.411MU	R.420MU
   1/4" 6,35 mm		R.151	RL.161
		6	6
		1/4"	1/4"
	mm		
	3,2		•
	4	•	•
	5	•	•
	5,5	•	•
	6	•	•
	7	•	•
	8	•	•
	9	•	•
	10	•	•
	11	•	•
	12	•	•
	13	•	•
	14		
	"		
	3/16		•
	7/32	•	•
	1/4	•	•
	9/32	•	•
	5/16	•	•
	11/32	•	•
	3/8	•	•
	13/32	•	•
	7/16	•	•
	1/2	•	•
9/16	•	•	
	EH		
	3		
	4		
	5		
	mm		
	6		
	7		
	8		
	ED		
	1		
	2		
	ES		
	4		
	4,5		
			
	5,5		
	6,5		
	8		
	EXR		
	10		
	15		
	20		
	25		
	27		
	30		
	40		
	R.209	•	•
	R.210		
	R.215	•	•
	R.240A	•	•
	R.235		
	R.236A		•
	R.120A		•
	R.222	•	
	R.142	•	
	PL.125A		PL.453
	BP.115		BP.102
	332 x 143 x 67 mm		204 x 122 x 52 mm
	1,56 Kg		0,72 Kg

R.411MU















R.420MU



1/4" CLASSICAL-COMBINED SETS

METRIC/INCH/WRENCH DIMENSIONS

				R.440UP	R.418AU	R.450AP	R.440EP	R.447EP	R.430AP
		 12 6		R.161	R.151	R.161	R.161	R.161	R.161
		 1/4" 6,35 mm		mm+wrenches	mm	std+long	mm+wrenches	mm+wrenches	mm
	mm	3,2	3/16"	•	•	•	•	•	•
		4	7/32"	•	•	•	•	•	•
		5	1/4"	•	•	•	•	•	•
		5,5	9/32"	•	•	•	•	•	•
		6	5/16"	•	•	•	•	•	•
		7	11/32"	•	•	•	•	•	•
		8	3/8"	•	•	•	•	•	•
		9	13/32"	•	•	•	•	•	•
		10	7/16"	•	•	•	•	•	•
		11	1/2"	•	•	•	•	•	•
		12	9/16"	•	•	•	•	•	•
		13	-			•			•
		14	-			•			•
			heads angled at 15° and 75°	34	3/16	•			•
4	7/32			•			•		
5	1/4			•			•		
5,5	9/32			•			•		
6	5/16			•			•		
7	11/32			•			•		
8	3/8			•			•		
9	13/32			•			•		
10	7/16			•			•		
11	1/2			•			•		
12	9/16			•			•		
13									
14									
	ED			1				•	
		2				•		•	
		3						•	
		4						•	
	EH mm	2						•	
		2,5						•	
		3						•	
		4						•	
		5						•	
		6						•	
		7						•	
		8						•	
	ES	3				•		•	
		4				•		•	
		5,5				•		•	
		6,5				•		•	
	RT	3				•		•	
		4				•		•	
		5				•		•	
		7				•		•	
	22	3,2 x 5,5							•
		4 x 5							•
		6 x 7							•
		8 x 9							•
		10 x 11							•
		R.209	•		•	•	•	•	•
		R.210S		•					
		R.215	•		•	•	•	•	•
		R.240A	•		•	•	•	•	•
		R.235			•	•	•	•	•
		R.245			•	•	•	•	•
		R.236A	•	•	•	•	•	•	•
		R.120A	•		•	•	•	•	•
		R.110			•	•	•	•	•
		R.140A	•		•	•	•	•	•
		R.216	•		•	•	•	•	•
		R.227			•	•	•	•	•
		181.18G	•		•	•	•	•	•
		AN 2,5 x 75			•	•	•	•	•
AN 3,5 x 75	•		•	•	•	•	•		
		PL.37A	PL.391B	PL.703	PL.36A	PL.128A	PL.414		
		BP.109	BP.102			BP.109			
		478x234x72 mm	204x122x52 mm		478x234x72 mm		389x164x72 mm		
		2,56 Kg	0,55 Kg	3,26 Kg	2,70 Kg	2,50 Kg	1,92 Kg		

R.440UP ▼



R.418AU ▼



R.450AP ▼



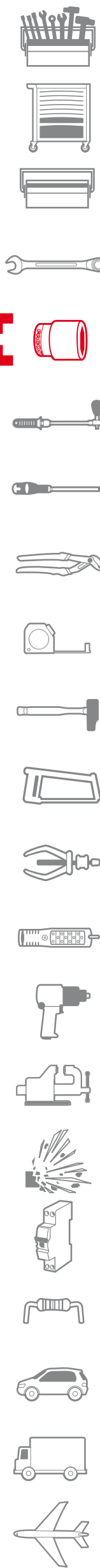
R.440EP ▼



R.447EP ▼
















R.430AP ▼



1/4" SOCKETS SETS

SET OR RACK

		R.40E	RL.40E	RL.41E	R.40U	REL.40U	RTX.40
 TORX®							TORX®
 1/4" 6,35 mm		Standard	Long	Long	Standard	Long	TORX®
 mm	3,2	•	•				
	4	•	•				
	5	•	•				
	5,5	•	•				
	6	•	•				
	7	•	•				
	8	•	•				
	9	•	•				
	10	•		•			
	11	•		•			
	12	•		•			
	13	•		•			
	14	•		•			
	 "	3/16				•	•
7/32					•	•	
1/4					•	•	
9/32					•	•	
5/16					•	•	
11/32					•	•	
3/8					•	•	
13/32					•	•	
7/16					•	•	
1/2					•	•	
9/16					•	•	
 TORX®	E4						•
	E5						•
	E6						•
	E7						•
	E8						•
	E10						•
		CKS.93	CKS.89	CKS.89	CKS.93	CKS.93	CKS.89
		0,255 Kg	0,220 Kg	0,310 Kg	0,235 Kg	0,345 Kg	0,090 Kg

R.40E
RL.40E



RL.41E



R.40U



REL.40U



RTX.40



1/4" MODULES IN THERMOFORMED TRAYS

METRIC/INCH

		1/4" 6,35 mm		MOD.RL1	MOD.R1	MOD.R5	MOD.R3
				RL.161	R.161	R.161	R.161
				6 mm	6 mm	6 mm	6"
	mm	3,2	3/16"				
		4	7/32"				
		5	1/4"				
		5,5	9/32"	•	•	•	•
		6	5/16"	•	•	•	•
		7	11/32"	•	•	•	•
		8	3/8"	•	•	•	•
		9	13/32"	•	•	•	•
		10	7/16"	•	•	•	•
		11	1/2"	•	•	•	•
		12	-	•	•	•	•
		13	-	•	•	•	•
		14	-	•	•	•	•
			EP	1			
2							
3							
	EH	1/8					•
		3/16					•
		5/32					•
	"	7/32					•
		3		•	•	•	
		4		•	•	•	
	mm	5		•	•	•	
		6		•	•	•	
		7		•	•	•	
	ED	ED.101T		•	•	•	
		ED.102T		•	•	•	
	ES	4,5		•	•	•	
		6,5		•	•	•	
		8		•	•	•	
	EXR	10				•	
		15				•	
		20				•	
		25				•	
		30				•	
		40				•	
	82H	2	5/64"	•	•	•	•
		2,5	3/32"	•	•	•	•
		3	1/8"	•	•	•	•
		4	9/64"	•	•	•	•
		5	5/32"	•	•	•	•
		6	3/16"	•	•	•	•
		7	7/32"	•	•	•	•
		8	1/4"	•	•	•	•
		9	5/16"	•	•	•	•
		10	3/8"	•	•	•	•
	83SH	1,5				•	
		2				•	
		2,5				•	
		3				•	
		4				•	
		5				•	
		6				•	
8				•			
	89S	10				•	
		15				•	
		20				•	
		25				•	
		27				•	
		30				•	
		40				•	
45				•			
	R.209		•	•	•	•	
	R.215		•	•	•	•	
	R.240A		•	•	•	•	
	R.235		•	•	•	•	
	R.236A		•	•	•	•	
	R.120A		•	•	•	•	
		PL.321	PL.321	PL.658	PL.603		
		435 x 198 x 55 mm	420 x 180 x 55 mm	420 x 190 x 55 mm	420 x 180 x 55 mm		
			1,1 Kg	1,41 Kg	0,95 Kg		

MOD.RL1



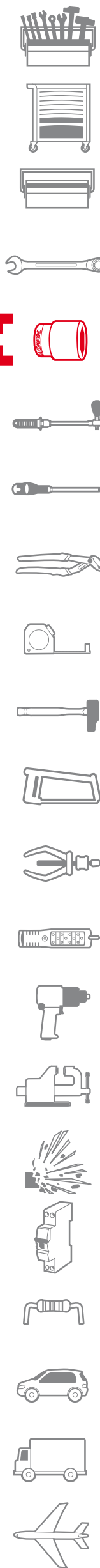
MOD.R1



MOD.R5











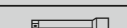
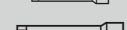







MOD.R3



1/4" MODULES IN FOAM TRAYS

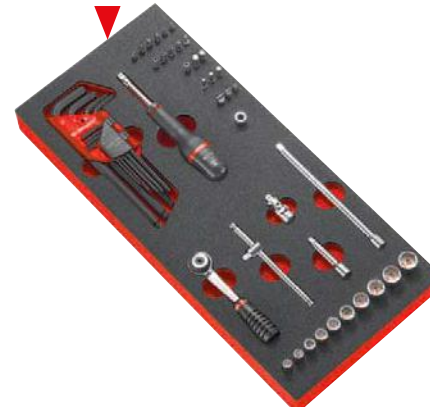
BI-COLOURED-METRIC

		MODM.RL1	MODM.R1A	
		RL.161	R.161	
		6	6	
 1/4" 6,35 mm		1/4"	1/4"	
 mm	5,5	•	•	
	6	•	•	
	7	•	•	
	8	•	•	
	9	•	•	
	10	•	•	
	11	•	•	
	12	•	•	
 EP	EP.101T	•	•	
	EP.102T	•	•	
	EP.103T	•	•	
	 EH	EH.103	•	•
		EH.104	•	•
		EH.105	•	•
		EH.106	•	•
EH.107	•	•		
 ED	ED.101T	•	•	
	ED.102T	•	•	
	ED.103T	•	•	
 ES	ES.134,5T	•	•	
	ES.136,5T	•	•	
	ES.148T	•	•	
 EXR	EXR.115	•	•	
	EXR.120	•	•	
	EXR.125	•	•	
	EXR.127	•	•	
	EXR.130	•	•	
	EXR.140	•	•	
 83SH	1,5	•	•	
	2	•	•	
	2,5	•	•	
	3	•	•	
	4	•	•	
	5	•	•	
	6	•	•	
	8	•	•	
	10	•	•	
	 R.209  R.215  R.240A  R.235  R.236A  R.120A	R.209	•	•
R.215		•	•	
R.240A		•	•	
R.235		•	•	
R.236A		•	•	
R.120A		•	•	
		PM.MODR1A	PM.MODR1A	
		416 x 190 x 50 mm	420 x 190 x 55 mm	
		1,095 Kg		

MODM.RL1

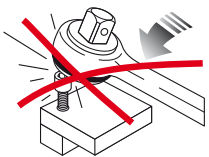
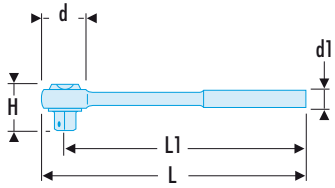


MODM.R1A



Ratchets 1/4"

1/4" maintenance free pear head ratchet

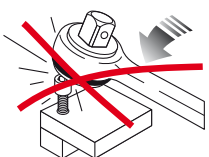
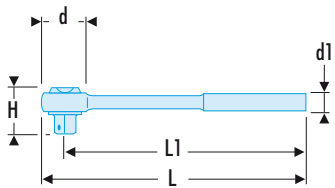


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Dust proof, maintenance free mechanism.
- 72 teeth mechanism for 5° increments.
- Drive direction switch allows easy reversal even with gloved or greasy hands.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ultra-compact head.
- Hook for hanging when working at height.
- Ergonomic comfort grip handle design resistant to workshop chemicals and solvents.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
RL.161	22	20	25	120	110	78

1/4" fast action twist handle ratchet

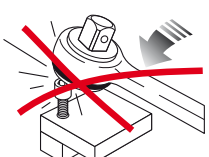
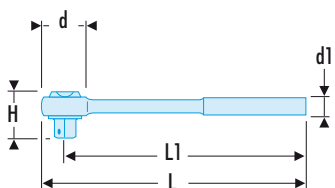


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Rotating handle jack: work twice as fast in confined spaces.
- 6° increments for final tightening.
- Socket safety locking: no more lost sockets.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.360	27	21	29	120	120	144

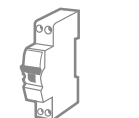
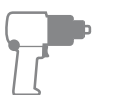
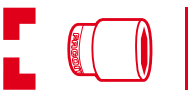
1/4" palm control ratchet



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

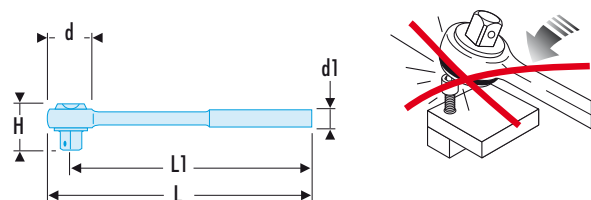
- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.161	25	19	25	120	108	120



"Radio" 1/4" range

1/4" standard ratchet

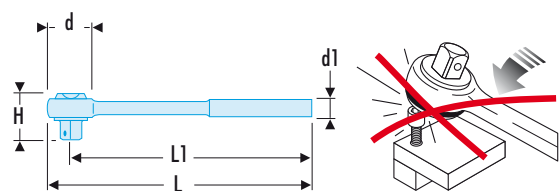


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Reverse by rotating cap.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.151	25	21	25	120	108	100

Ultra compact 1/4" bit ratchet



- Exceptionally compact design when using end bits.
- Mechanism: 60 teeth.
- Use sockets with the ECR adapter.
- Supplied with magnetic extension.

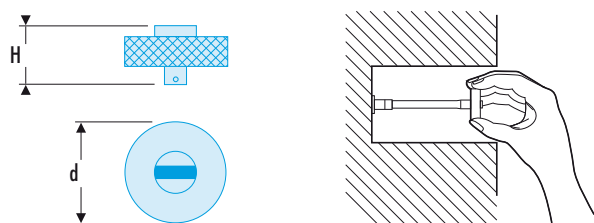
➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.PE	17	16	26,5	158	126	96

65.PE Bit-holder ratchet wrench 1/4" - 5/16"



- Takes the following bits:
 - Series 1: hexagon 1/4".
 - Series 2: hexagon 5/16".
 - Used for installing 1/4" and 5/16" aircraft fasteners.
 - Increment: 5°.
 - Heads angled at 15°.
 - Bits held by a spring clip.
 - Knurled head for fast pre-tightening.
 - Length 150 mm.
 - Satin chrome finish.
- Weight: 74 g.

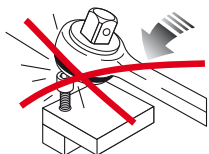
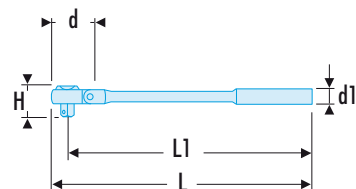
1/4" finger control ratchet



- 72 teeth mechanism for 5° increments.
 - Ideal for confined deep recess spaces.
- Weight: 120 g.

➤	d [mm]	H [mm]	ΔΔ [g]
R.150A	38,5	26,5	95

1/4" long hinged metal grip ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Stiffened joint to maintain the position even with an extension and the socket engaged.
- Knurled metal grip.

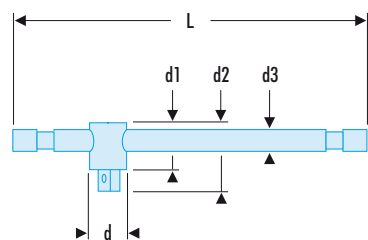
➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.158A	25	11	26,5	158	126	135

MAINTENANCE OF 1/4" RATCHETS

➤	R.161	R.151	R.155A	R.157A	R.158A	R.150A
Caps						
R.161C	•		•	•	•	
J.161C						•
R.151C		•				
Spare part kit						
R.161RN	•		•	•	•	•
R.151RN		•				
Rotors						
R.151R	•	•	•	•	•	•

Accessories 1/4"

1/4" drive sliding tee

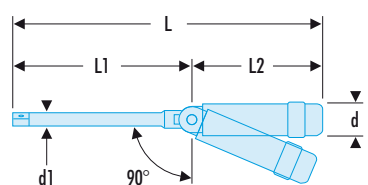


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction bar allows the bar to form a T or L-handle.
- Finish: bright chrome.

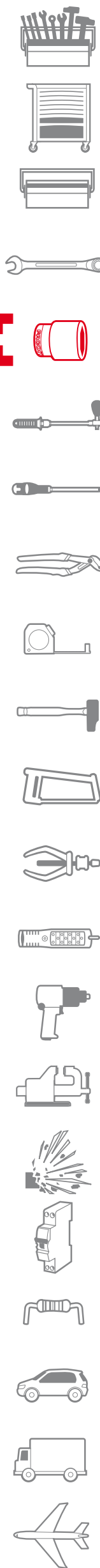
➤	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
R.120A	12	14	22	7	115	49

1/4" hinged handle



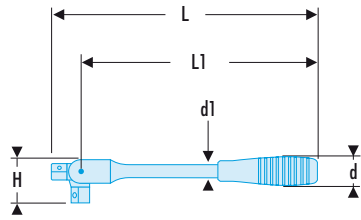
- Driver or L-handle for fast approach or powerful locking.

➤	d [mm]	d1 [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
R.142	14	8,1	182	105	77	125



"Radio" 1/4" range

▣ Hinged bar 1/4" with handle



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Spring steadies hinge in any position, allowing access behind obstacles.
- Non-slip handle.
- Finish: bright chrome.

	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	$\Delta\Delta$ [g]
R.140A	19	8	25,5	150	131,5	83

▣ R.236C 1/4" drive short spinner



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ergonomic bi-material grip.
 - Ideal for confined spaces.
- Weight: 76 g.

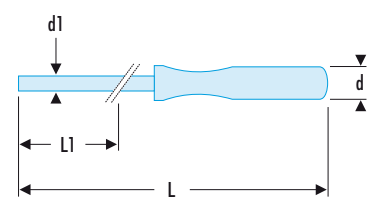
▣ R.236A 1/4" drive medium spinner



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ergonomic bi-material grip.
 - Ideal for confined spaces.
- Weight: 79 g.

▣ 1/4" drive standard spinner

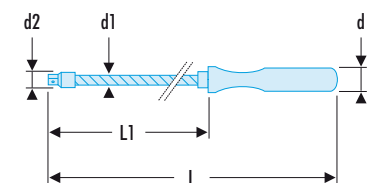


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ergonomic bi-material grip.
- Ideal for confined spaces.

	d [mm]	d1 [mm]	L [mm]	L1 [mm]	$\Delta\Delta$ [g]
R.227A	23,5	8	260	160	125

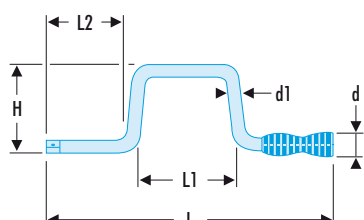
▣ 1/4" drive flexible spinner



- Ergonomic bi-material grip.
- For fasteners where access is difficult.

	d [mm]	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	$\Delta\Delta$ [g]
R.222A	20	8	12	265	160	117

1/4" drive speed brace

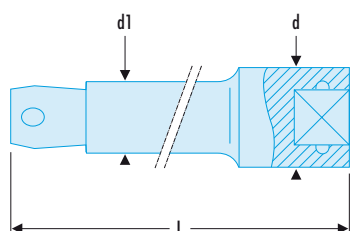


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- For fast rotation.
- PVC rotating handle.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
R.110	21	8	110	360	130	120	220

1/4" drive extension



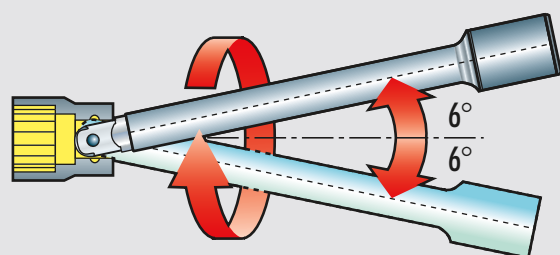
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Finish: chromed.

➤	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
R.209	12	8,2	55	30
R.210	12	8,2	100	45
R.215	12	8,2	150	65
R.217	12	8,2	250	105

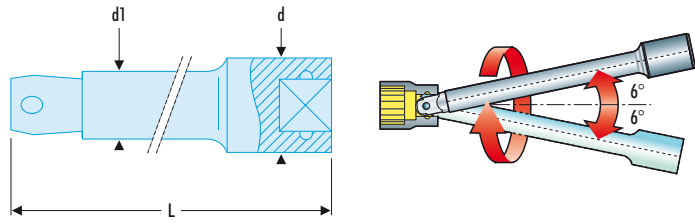
WOBBLE EXTENSION

Hard to access with a socket or universal joint? USE A WOBBLE EXTENSION !



"Radio" 1/4" range

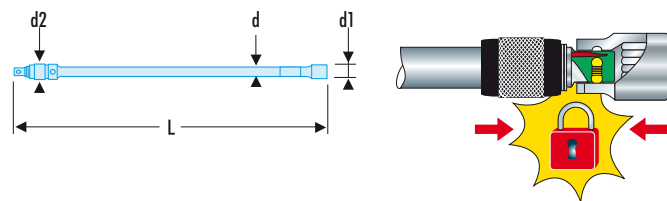
1/4" wobble extension



- Square drive profile gives 6° working angle.
- Hard to access with a socket or universal joint? Use a wobble extension !
- Finish: bright chrome.

🔧	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
R.209S	12	8,2	55	30
R.210S	12	8,2	100	45

1/4" drive locking extensions

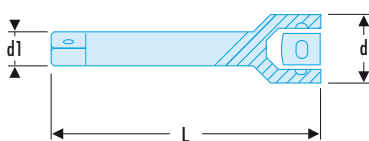


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Locking mechanism.
- Finish: bright chrome.

🔧	d [mm]	d1 [mm]	d2 [mm]	L [mm]	ΔΔ [g]
R.210RC	8,2	12	13	100	45
R.215RC	8,2	12	13	150	60
R.217RC	8,2	12	13	250	100

1/4" wobble extension

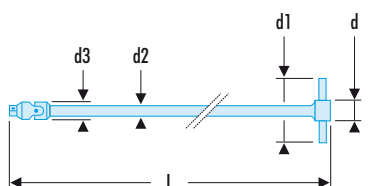
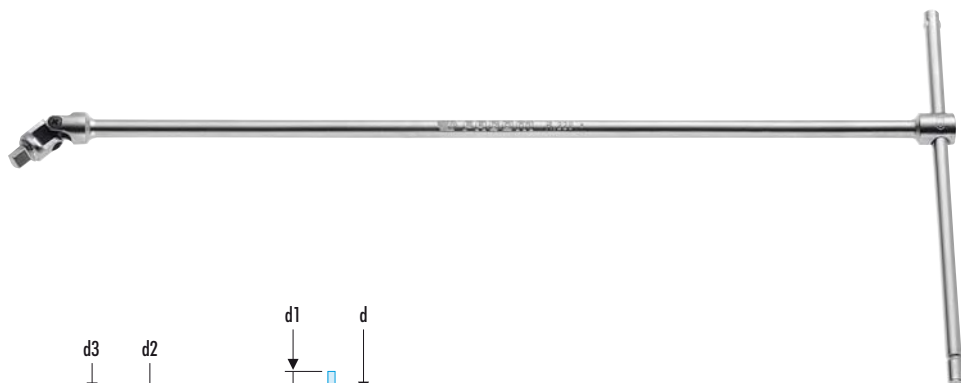


ASME B107.10

- Reaches fasteners out of direct access line.
- Unsuitable for high torques: max. 2.8 N.m.

🔧	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
R.216	12	8	150	66

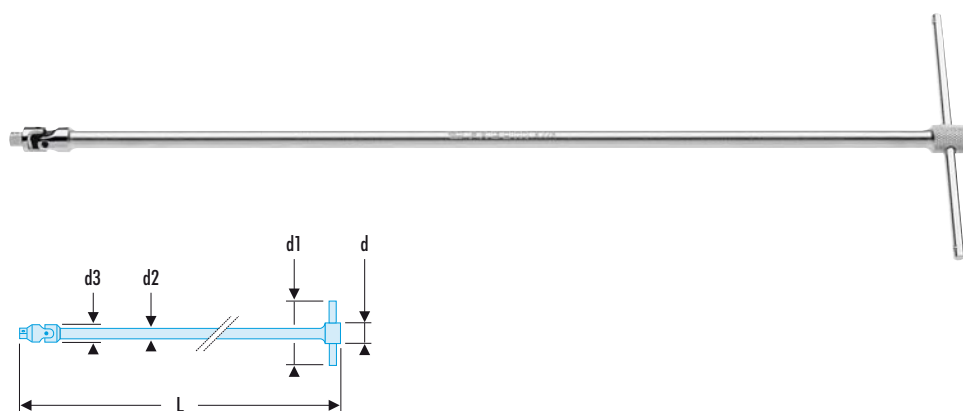
1/4" drive tee with universal joint



- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Finish: bright chrome.

🔧	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
R.229A	13	135	9	13	385	215

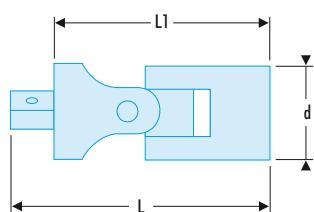
1/4" drive tee with universal joint



- Extended reach of tee-handle for particularly deep recesses.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
R.228	13	135	9	13	470	250

1/4" universal joint

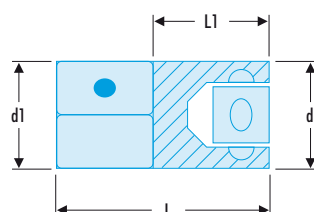


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Spring-stiffened joints. Stays in position when reaching for fasteners.
- Finish: bright chrome.

➤	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.240A	13	33	25	20

1/4" to 3/8" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

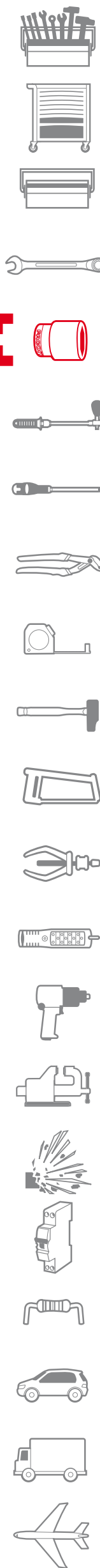
- 1/4" female to 3/8" male square drive.
- For adapting 3/8" drive sockets.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.232	12	12	24,5	13,5	16

D.169 Set of 3 couplers

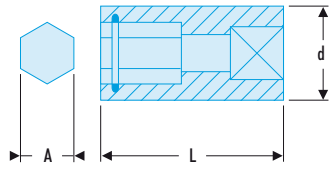


- Allows use of square drivers smaller than socket drive sizes:
 - 1/4" square drive + D.169RJ --> 3/8" socket.
 - 3/8" square drive + D.169JS --> 1/2" socket.
 - 1/2" square drive --> 3/4" socket.
- Compactness means that fewer tools are needed for in situ maintenance operations.
- Magnetic retainer and locking system (JS and SK).
- Knurl allows hand tightening where access is difficult.
- Weight: 96 g.



"Radio" 1/4" range

1/4" drive standard spring-clip bit holder

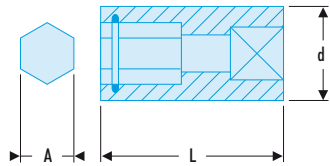


NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Spring clip for frequent bit changes.
- Finish: bright chrome.

☞	A ["]	Square ["]	d [mm]	L [mm]	ΔΔ [g]
R.235	1/4	1/4	11,3	22	10

1/4" drive secure spring-clip bit holder



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Stiffer, more secure, spring clip for infrequent bit changes.
- Square drive has side-hole for ball or plunger lock.
- Finish: bright chrome.

☞	A ["]	Square ["]	d [mm]	L [mm]	ΔΔ [g]
R.245	1/4	1/4	11,3	22	10

1/4" drive lock-ring bit holder



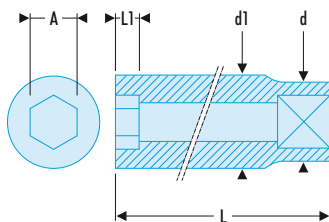
NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Bit lock.
- Square drive has side-hole for ball or plunger lock.

☞	A ["]	Square ["]	L [mm]	ΔΔ [g]
EFR	1/4	1/4	30	26

Sockets 1/4"

R 1/4" drive metric 6-point sockets

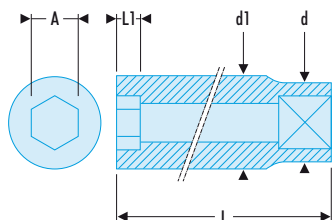


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Available as sets on metal rack (Ref R.40E).

☞	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.3,2	3,2	6	11,2	5,9	22	2,4	7,30
R.4	4,0	6	11,2	6,9	22	2,6	7,70
R.5	5,0	6	11,2	8,2	22	4,8	8,10
R.5,5	5,5	6	11,2	8,8	22	4,8	8,40
R.6	6,0	6	11,2	9,4	22	5,6	8,60
R.7	7,0	6	11,0	11,0	22	6,0	9,20
R.8	8,0	6	12,0	12,0	22	6,5	11,50
R.9	9,0	6	13,2	13,2	22	6,5	14,30
R.10	10,0	6	14,7	14,7	22	7,8	17,70
R.11	11,0	6	15,8	15,8	22	9,0	19,40
R.12	12,0	6	17,0	17,0	22	9,50	23,20
R.13	13,0	6	17,7	17,7	22	10,00	23,70
R.14	14,0	6	18,7	18,7	22	10,00	26,10

R 1/4" drive inch 6-point sockets

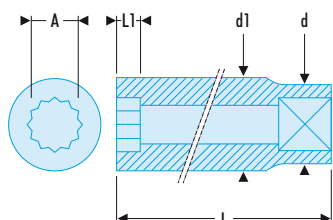


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Available as rack set (Ref R.40U).

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.3/16	3/16	6	11,2	8,0	22	4,75	8,20
R.7/32	7/32	6	11,2	9,0	22	5,50	8,30
R.1/4	1/4	6	11,2	10,1	22	6,00	9,30
R.9/32	9/32	6	11,0	11,0	22	6,00	8,90
R.5/16	5/16	6	12,0	12,0	22	6,50	11,50
R.11/32	11/32	6	13,2	13,2	22	6,50	14,50
R.3/8	3/8	6	14,7	14,7	22	7,80	17,80
R.13/32	13/32	6	14,7	14,7	22	7,80	17,00
R.7/16	7/16	6	15,8	15,8	22	9,00	19,50
R.1/2	1/2	6	17,7	17,7	22	10,00	24,50
R.9/16	9/16	6	18,7	18,7	22	10,00	25,20

R.E 1/4" drive metric 12-point sockets

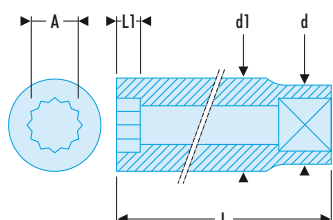


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

➤	A [mm]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.5,5E	5,5	12	11,2	8,8	22	4,80	8,40
R.6E	6,0	12	11,2	9,4	22	5,60	8,60
R.7E	7,0	12	11,0	11,0	22	6,00	9,20
R.8E	8,0	12	12,0	12,0	22	6,50	11,50
R.9E	9,0	12	13,2	13,2	22	6,50	14,30
R.10E	10,0	12	14,7	14,7	22	7,80	17,70
R.11E	11,0	12	15,8	15,8	22	9,00	19,40
R.12E	12,0	12	17,0	17,0	22	9,50	23,20
R.13E	13,0	12	17,7	17,7	22	10,00	23,70
R.14E	14,0	12	18,7	18,7	22	10,00	26,10

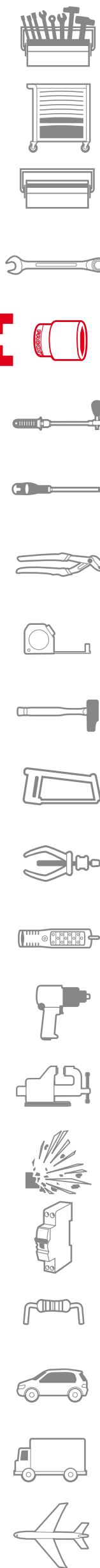
R.E 1/4" drive inch 12-point sockets



ASME B107.1

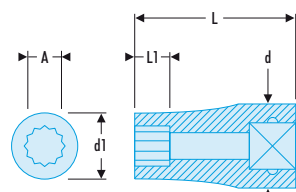
- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.3/16E	3/16	12	11,2	8,0	22	4,75	8,20
R.7/32E	7/32	12	11,2	9,0	22	5,50	8,30
R.1/4E	1/4	12	11,2	10,1	22	6,00	9,30
R.9/32E	9/32	12	11,2	10,6	22	6,00	8,90
R.5/16E	5/16	12	12,0	12,0	22	6,50	11,50
R.11/32E	11/32	12	13,0	13,0	22	6,50	14,50
R.3/8E	3/8	12	14,7	14,7	22	7,80	17,80
R.13/32E	13/32	12	14,7	14,7	22	7,80	17,00
R.7/16E	7/16	12	15,8	15,8	22	9,00	19,5
R.1/2E	1/2	12	17,7	17,7	22	10,00	24,5
R.9/16E	9/16	12	18,7	18,7	22	10,00	25,20



"Radio" 1/4" range

RB 1/4" drive inch 12-point thin wall sockets



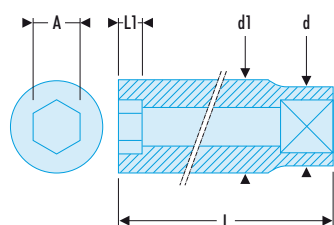
ASME B107-1

- OGV® profile: more powerful tightening, preserves fasteners.
- Thin-wall for better access, conform with aeronautical standards.
- Finish: bright chrome.

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
RB.3/16	3/16	12	11,2	7,6	22	4,8	7,00
RB.7/32	7/32	12	11,2	8,7	22	5,5	8,00
RB.1/4	1/4	12	11,2	9,7	22	6,0	8,00
RB.9/32	9/32	12	11,2	10,6	22	6,0	10,50
RB.5/16	5/16	12	11,9	11,9	22	6,5	10,00
RB.11/32	11/32	12	12,9	12,9	22	6,5	11,50
RB.3/8	3/8	12	13,7	13,7	22	7,8	14,00
RB.7/16	7/16	12	14,8	15,8	22	9,0	17,00
RB.1/2	1/2	12	16,0	16,9	22	10,0	18,50
RB.9/16	9/16	12	17,5	18,7	22	10,0	22,00

Long reach sockets 1/4"

R.LA 1/4" long-reach metric 6-point sockets

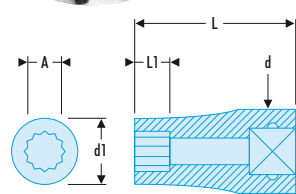


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Available as rack set Ref RL.40E (3.2 --> 9 mm) and Ref RL.41E (10 --> 14 mm).
- Finish: bright chrome.

➤	A [mm]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.3,2LA	3,2	6	12,0	5,80	50,5	1,8	18
R.4LA	4,0	6	12,0	6,80	50,5	2,0	18
R.5LA	5,0	6	12,0	8,10	50,5	2,3	18
R.5,5LA	5,5	6	12,0	8,10	50,5	3,0	18
R.6LA	6,0	6	12,0	9,40	50,5	5,6	18
R.7LA	7,0	6	12,0	10,90	50,5	7,1	27
R.8LA	8,0	6	12,0	12,00	50,5	7,9	27
R.9LA	9,0	6	12,8	12,80	50,5	7,9	32
R.10LA	10,0	6	14,3	14,30	50,5	7,9	41
R.11LA	11,0	6	16,0	16,00	50,5	7,9	54
R.12LA	12,0	6	16,8	16,80	50,5	8,4	50
R.13LA	13,0	6	18,2	18,20	50,5	8,4	59
R.14LA	14,0	6	19,2	19,20	50,5	10,2	68

R.EL 1/4" long-reach metric 12-point sockets

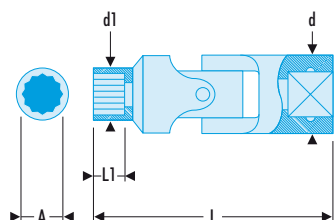


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- High performance, suitable for aircraft fasteners to AS954E.
- Thinner socket walls for better accessibility.
- Available as rack set (Ref REL.40U).
- Finish: bright chrome.

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.3/16EL	3/16	12	10,9	7,7	50	6,0	14
R.7/32EL	7/32	12	10,9	8,5	50	7,4	15
R.1/4EL	1/4	12	10,9	9,4	50	7,4	17
R.9/32EL	9/32	12	10,9	10,2	50	8,5	17
R.5/16EL	5/16	12	11,8	11,4	50	9,0	23
R.11/32EL	11/32	12	12,0	12,5	50	9,7	25
R.3/8EL	3/8	12	12,8	13,7	50	11,2	32
R.7/16EL	7/16	12	14,3	15,6	50	11,9	40
R.1/2EL	1/2	12	16,2	17,3	50	13,8	45
R.9/16EL	9/16	12	17,1	18,8	50	16,2	49

▣ R.F - 1/4" drive hinged 12-point sockets



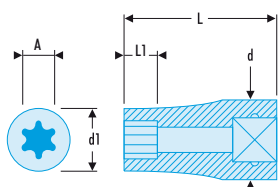
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Compact solution used instead of universal joint.
- Finish: bright chrome.

➤	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
R.3/16F	12	13	8,0	31,6	5,3	13
R.7/32F	12	13	8,5	32,4	6,1	13
R.1/4F	12	13	9,8	32,8	6,5	13
R.9/32F	12	13	10,5	32,8	6,5	13
R.5/16F	12	13	12,0	33,3	7,0	14
R.11/32F	12	13	13,3	33,3	7,0	16
R.3/8F	12	13	13,7	34,6	8,3	21
R.7/16F	12	13	15,5	35,8	9,5	27
R.1/2F	12	13	18,0	36,8	10,5	34
R.9/16F	12	13	19,2	36,8	10,5	35

Torx® sockets 1/4"

▣ RTX - 1/4" Torx® sockets

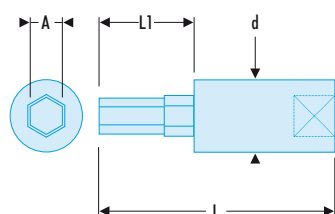


- For Torx® fasteners.
- Finish: bright chrome.
- Available as rack set (Ref RTX.40).

➤	A [mm]	Torx [No]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
RTX.4	3,70	E4	11,2	5,4	22	3,2	8
RTX.5	4,58	E5	11,2	6,7	22	3,0	8
RTX.6	5,54	E6	11,2	7,7	22	3,6	8
RTX.7	6,22	E7	11,2	8,3	22	3,6	8
RTX.8	7,29	E8	11,2	9,6	22	4,3	9
RTX.10	9,19	E10	12,0	11,3	22	5,6	11

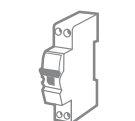
1/4" drive sockets with removable bits

▣ RT 1/4" drive metric 6-point sockets



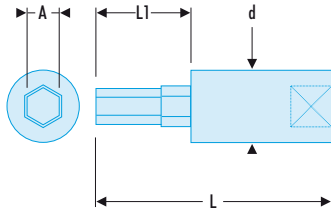
- Removable hard tip for more durability.
- R.245 socket.
- Finish: bright chrome with phosphate-hardened tip.

➤	A [mm]	d [mm]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
RT.2	2,0	11,3	EH.102	37	15	18
RT.2,5	2,5	11,3	EH.102,5	37	15	18
RT.3	3,0	11,3	EH.103	37	15	18
RT.4	4,0	11,3	EH.104	37	15	18
RT.5	5,0	11,3	EH.105	37	15	19
RT.6	6,0	11,3	EH.106	37	15	20
RT.7	7,0	11,3	EH.107	37	15	21
RT.8	8,0	11,3	EH.108	37	15	22
RT.10	10,0	11,3	EH.110	37	15	24



"Radio" 1/4" range

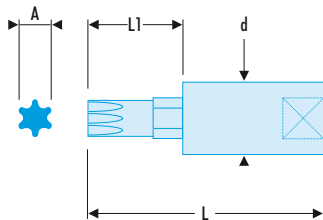
RT 1/4" drive metric 6-point sockets



- Removable hard tip for more durability.
- R.245 socket.
- Finish: bright chrome with phosphate-hardened tip.

➤	A [mm]	d [mm]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
RT.1/8	3,17	11,3	EH.101/8	37	15	18
RT.5/32	3,96	11,3	EH.105/32	37	15	18
RT.3/16	4,76	11,3	EH.103/16	37	15	18
RT.7/32	5,56	11,3	EH.107/32	37	15	19
RT.1/4	6,35	11,3	EH.101/4	37	15	20

RX 1/4" drive Torx® bit sockets



- Removable hard tip for more durability.
- R.245 socket.
- Finish: bright chrome with phosphate-hardened tip.

➤	A [mm]	Torx [No]	d [mm]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
RX.6	1,65	T6	11,3	EX.106	38	16	17
RX.7	1,97	T7	11,3	EX.107	38	16	17
RX.8	2,30	T8	11,3	EX.108	38	16	17
RX.9	2,48	T9	11,3	EX.109	38	16	17
RX.10	2,72	T10	11,3	EX.110	38	16	17
RX.15	3,26	T15	11,3	EX.115	38	16	17
RX.20	3,84	T20	11,3	EX.120	38	16	18
RX.25	4,40	T25	11,3	EX.125	38	16	18
RX.27	4,96	T27	11,3	EX.127	38	16	18
RX.30	5,49	T30	11,3	EX.130	38	16	18
RX.40	6,60	T40	11,3	EX.140	38	16	18

CREATE YOUR OWN BIT SOCKETS

Screw bits



- Series 1 \hexagon 1/4"
- Series 2 \hexagon 5/16"

➤ See Section 7 p. 450

Bit holder \square 1/4"



R.235
 \hexagon 1/4" 6.35 mm
 standard retaining pin









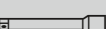



R.245
 \hexagon 1/4" 6.35 mm
 heavy duty retaining pin

➤ See p. 458



3/8" "DETECTION BOX" SETS

METRIC DIMENSIONS

		JL.DBOX1	JL.DBOX112	J.360DBOX1	J.360DBOX112	J.DBOX500	J.DBOX501
		JL.161	JL.161	J.360	J.360	J.171	J.171
		6	12	6	12	6	12
	J.8	•	•	•	•	•	•
	J.9	•	•	•	•	•	•
	J.10	•	•	•	•	•	•
	J.11	•	•	•	•	•	•
	J.12	•	•	•	•	•	•
	J.13	•	•	•	•	•	•
	J.14	•	•	•	•	•	•
	J.15	•	•	•	•	•	•
	J.16	•	•	•	•	•	•
	J.17	•	•	•	•	•	•
	J.18	•	•	•	•	•	•
	J.19	•	•	•	•	•	•
	J.21	•	•	•	•	•	•
	J.22	•	•	•	•	•	•
	J.210	•	•	•	•		
	J.210RC					•	•
	J.215	•	•	•	•		
	J.210RC					•	•
	J.240A	•	•	•	•	•	•
	BV.J1NANO						
	50 x 124 x 280 mm						
	1,920 Kg	1,920 Kg	2,050 Kg	2,050 Kg	2,010 Kg	2,010 Kg	



JL.DBOX1



JL.DBOX112



J.360DBOX1



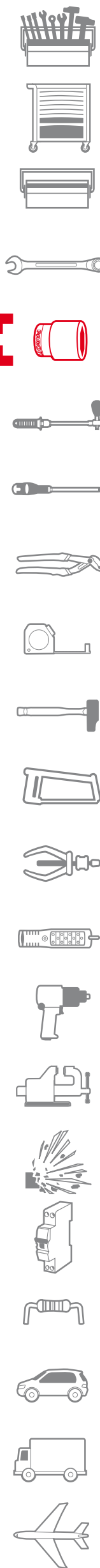
J.360DBOX112



J.DBOX500





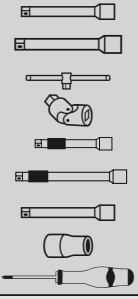




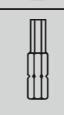
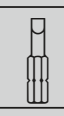
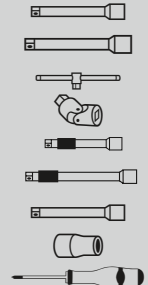



J.DBOX501



STANDARD 3/8" SETS

METRIC DIMENSIONS

		J.420E	J.430AP	J.431AP	J.431ASP	J.430ASP
		J.151A	J.161	J.161	J.161	J.161
						
	mm	7	•	•	•	•
		8	•	•	•	•
		9	•	•	•	•
		10	•	•	•	•
		11	•	•	•	•
		12	•	•	•	•
		13	•	•	•	•
		14	•	•	•	•
		15	•	•	•	•
		16	•	•	•	•
		17	•	•	•	•
		18	•	•	•	•
		19	•	•	•	•
		20	•	•	•	•
		21	•	•	•	•
		22	•	•	•	•
23	•					
24	•					
	ED	1			•	•
		2			•	•
		3			•	•
	EH	4				
		5			•	•
		6			•	•
		mm	8			•
	10			•	•	
	ES	6,5			•	•
		8			•	•
		10			•	•
	J.210		•	•	•	•
	J.215		•	•	•	•
	J.120A		•	•	•	•
	J.240A		•	•	•	•
	J.210RC					
	J.215RC					
	J.210S	•				
	J.235				•	•
	J.236C				•	•
		PL.19A	PL.412A	PL.411		
BP.115		BP.112	BP.112			
322 x 143 x 67 mm		389 x 164 x 66 mm	389 x 164 x 66 mm			
		1,50 Kg	1,96 Kg	2,75 Kg		

J.420E ▼



J.430AP ▼



J.431AP ▼





**J.430ASP ▼
J.431ASP ▼**



STANDARD 3/8" SETS

METRIC DIMENSIONS

		J.451EP		J.426M	J.447E		JT.415E	JX.415EP
		J.161+J.156		-	J.151		J.151A	J.161
		6	12	6	12	wrench	6	TORX®
		Std	Long	Fittings	Std	39	Screwdriver socket	Screwdriver socket
 mm	7	•	•		•	•		
	8	•	•		•	•		
	9	•	•		•	•		
	10	•	•		•	•		
	11	•	•		•	•		
	12	•	•		•	•		
	13	•	•		•	•		
	14	•	•		•	•		
	15	•	•		•	•		
	16	•	•		•	•		
	17	•	•		•	•		
	18	•	•		•	•		
 JT mm	3	•					•	
	4	•					•	
	5	•					•	
	6	•					•	
	7	•					•	
	10	•					•	
 EP	1			•				
	2			•				
	3			•				
	4			•				
 ED	1	•		•				
	2	•		•				
	3	•		•				
 ES	4			•				
	5,5	•		•				
	6,5	•		•				
	8	•		•				
 TORX®	10			•				•
	15			•				•
	20			•				•
	25			•				•
	27			•				•
	30			•				•
	40			•				•
55			•				•	
 EH mm	3			•				
	4			•				
	5			•				
	6			•				
	7			•				
	10			•				
	J.210	•		•		•		
	J.120A	•		•				•
	J.240A	•		•		•		
	J.215R	•		•		•		•
	J.210S						•	•
	J.110	•		•				
	J.235	•		•				•
	J.236	•		•				•
	J.216	•		•				
	BJ.21A1					•		
	BJ.16A1					•		
	J.140A	•		•				
J.222			•					
	PL.77A			PL.20A		PL.27B	PL.20A	PL.118
	BT.105			BP.112		BP.109	BP.115	BT.109G
		540 x 280 x 58 mm		389 x 164 x 66 mm		478 x 234 x 72 mm	322 x 143 x 66 mm	470 x 195 x 53 mm
		7,70 Kg		2,53 Kg		3,55 Kg	1,27 Kg	1,75 Kg

J.451EP



J.426M



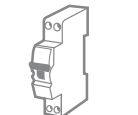
J.447E










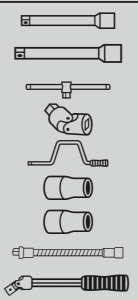

JT.415E



JX.415EP



3/8" SETS IN A PLASTIC CASE INCH DIMENSIONS

		J.430MU	JL.430MU	J.430UP	J.450U	J.420AU	
		J.161	JL.161	J.161	J.151A+J.156	J.161	
		12	12	12	12	12	
		Standard	Standard	Standard	Std Long	Standard	
 mm	7	•	•				
	8	•	•				
	9	•	•				
	10	•	•				
	11	•	•				
	12	•	•				
	13	•	•				
	14	•	•				
	15	•	•				
	16	•	•				
	17	•	•				
	18	•	•				
	19	•	•				
	20	•	•				
	21	•	•				
	22	•	•				
24	•	•					
 "	1/4	•	•	•	•	•	
	5/16	•	•	•	•	•	
	3/8	•	•	•	•	•	
	7/16	•	•	•	•	•	
	1/2	•	•	•	•	•	
	9/16	•	•	•	•	•	
	5/8	•	•	•	•	•	
	11/16	•	•	•	•	•	
	3/4	•	•	•	•	•	
	13/16	•	•	•	•	•	
	7/8	•	•	•	•	•	
	15/16	•	•	•	•	•	
	1	•	•	•	•	•	
	 JT	1/8				•	
		5/32				•	
		3/16				•	
mm		7/32				•	
		1/4				•	
5/16					•		
3/8				•			
 ED	1				•		
	2				•		
	3				•		
	4				•		
 ES	5,5				•		
	6,5				•		
	8				•		
	10				•		
	J.210	•	•	•	•	•	
	J.215	•	•	•	•	•	
	J.120A	•	•	•	•	•	
	J.240A	•	•	•	•	•	
	J.110			•			
	J.235				•		
	J.236				•		
	J.216				•		
J.140A				•			
	PL.59A	PL.59A	PL.12A	PL.78A	PL.69A		
	BP.109	BP.109	BP.109	BT.105	BP.115		
		478 x 234 x 72 mm	478 x 234 x 72 mm	478 x 234 x 72 mm	540 x 80 x 58 mm	332 x 143 x 67 mm	
		4,18 Kg	4,110 Kg	3,73 Kg	7,38 Kg	2,70 Kg	

J.430MU



JL.430MU



J.430UP



J.450U

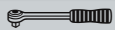

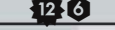
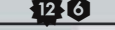
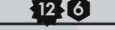
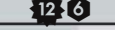
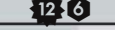










J.420AU



3/8" MODULES IN THERMOFORMED TRAYS

METRIC/ INCH

		MOD.JL1	MOD.J1	MOD.J5	MOD.J7	MOD.J2
		JL.161	J.161	J.171	J.161+J.174	J.161
						
 mm	7	•	•	•	•	
	8	•	•	•	•	
	9	•	•	•	•	
	10	•	•	•	•	
	11	•	•	•	•	
	12	•	•	•	•	
	13	•	•	•	•	
	14	•	•	•	•	
	15	•	•	•	•	
	16	•	•	•	•	
	17	•	•	•	•	
	18	•	•	•	•	
	19	•	•	•	•	
	20					
	21	•	•	•	•	
	22	•	•	•	•	
23				•		
24				•		
 "	1/4					•
	5/16					•
	3/8					•
	7/16					•
	1/2					•
	9/16					•
	5/8					•
	11/16					•
	3/4					•
	13/16					•
	7/8					•
	15/16					•
	1					
	 JT	1/8				
5/32						
3/16						
7/32						
1/4						
5/16						
3/8						
 EP	1					
	2					
	3					
	4					
 ES	5,5					
	6,5					
	8					
	10					
 J.210	J.210	•	•			•
	J.215	•	•			•
	J.120A	•	•	•	•	•
	J.240A	•	•	•	•	•
	J.210RC			•	•	
	J.215RC			•	•	
	J.210S					
	J.110					
	J.235	•				
	J.232	•				
	J.216					
	J.140A					
		PL.686		PL.322A	PL.322A	PL.665
435 x 198 x 55 mm				420 x 180 x 55 mm		
	2,25 Kg	1,80 Kg	1,75 Kg	2,20 Kg	1,52 Kg	

MOD.JL1



MOD.J1



MOD.J5






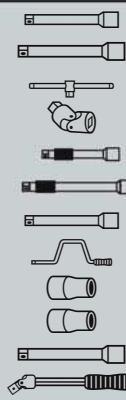



MOD.J7



MOD.J2



3/8" MODULES IN FOAM TRAYS BI-COLOURED-METRIC

		MODM.JL1
		JL.161
		6
	J.8H	•
	J.9H	•
	J.10H	•
	J.11H	•
	J.12H	•
	J.13H	•
	J.14H	•
	J.15H	•
	J.16H	•
	J.17H	•
	J.18H	•
	J.19H	•
	J.21H	•
	J.22H	•
	J.210	•
	J.215	•
	J.120A	•
	J.240A	•
	J.210RC	•
	J.215RC	•
	J.210S	•
	J.110	•
	J.235	•
	J.232	•
	J.216	•
	J.140A	•
		PM.MODJL1
		416 x 190 x 50 mm
		1,88 Kg

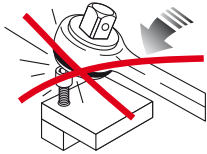
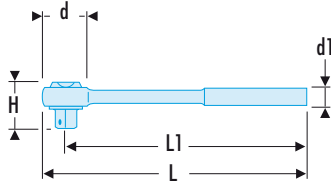


MODM.JL1



Ratchets 3/8"

3/8" maintenance free pear head ratchet

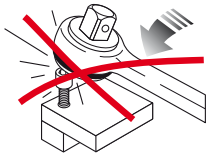
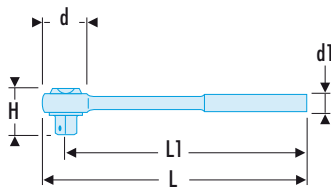


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Dust proof, maintenance free mechanism.
- 72 teeth mechanism for 5° increments.
- Drive direction switch allows easy reversal even with gloved or greasy hands.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse
- Ultra-compact head.
- Hook for hanging when working at height.
- Ergonomic comfort grip handle design resistant to workshop chemicals and solvents.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
JL.161	29	27	29	210	195	200

3/8" fast action twist handle ratchet

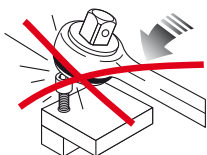
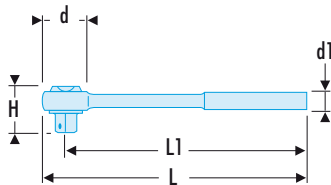


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 3/8" fast ratchet with rotating handle:
- Rotating handle jack: work twice as fast in confined spaces.
- 6° increments for final tightening.
- Socket safety locking = no sockets lost in your machines.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.360	37	37	39	233	233	442

3/8" palm control ratchet

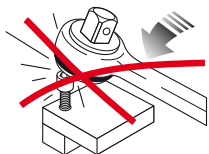
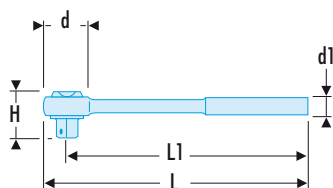


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.161	30	25	32	175	164	210

Standard 3/8" ratchet

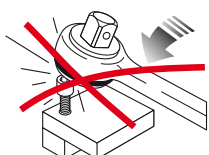
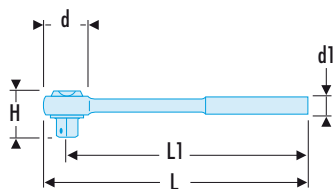


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Reversing by rotating cap.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.151A	30	21	29	179	179	200

3/8" locking ratchet

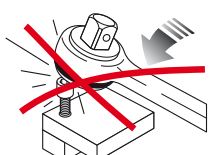
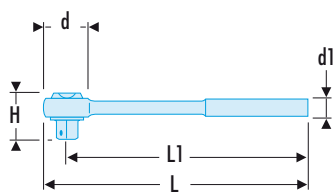


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Socket safety locking = no sockets lost in your machines.
- Long handle to reduce fatigue.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.171	32,5	28	36	210	195	260

3/8" long-reach locking ratchet

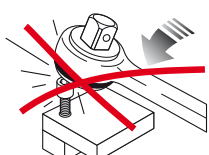
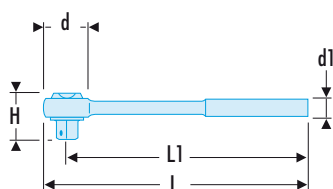


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Socket safety locking = no sockets lost in your machines.
- Long handle to reduce fatigue.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.174	32,5	28	36	250	234	320

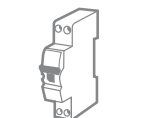
3/8" long-reach hinged ratchet



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

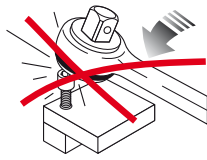
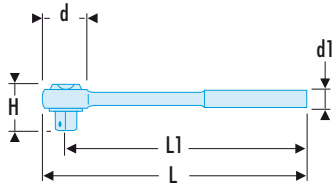
- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Extra-long handle to apply more torque without effort.
- Stiffened joint to maintain the position even with an extension and the socket engaged.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.153A	30	25	32	278	263	315



"Junior" 3/8" range

3/8" hinged head ratchet with metal handle



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Stiffened joint to maintain the position even with an extension and the socket engaged.
- Full metal handle with knurled grip.

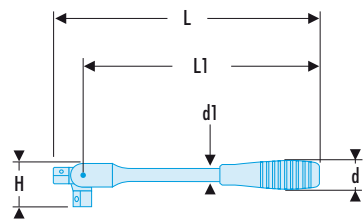
➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.158A	30	16	32	273	258	350

MAINTENANCE OF 3/8" RATCHETS

➤	J.171	J.161	J.151A	J.174	J.153A	J.161E	J.155A	J.157A	J.158A	J.159A	J.156
Caps											
J.161C		•				•	•	•	•	•	
S.156C											•
J.151AC			•								
Spare part kit											
J.161RN		•			•	•	•	•	•	•	
S.151RN											•
J.151RN			•								
Rotors											
J.151AR		•	•		•	•	•	•	•	•	
J.151R											•

Accessories 3/8"

3/8" hinged bar

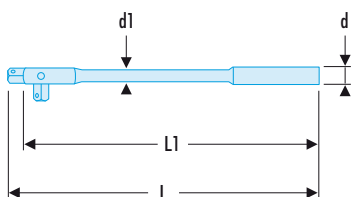


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.140A	25	10	33,5	260	235,5	230

3/8" drive metal-grip hinged handle

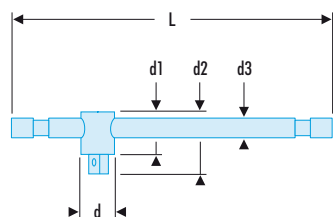


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.145	17	11	255	245	290

3/8" drive sliding tee

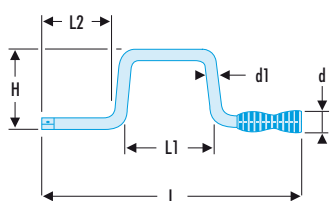


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction-head allows bar to form a T or L-handle.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
J.120A	20	23	34	12	200	215

3/8" drive speed brace

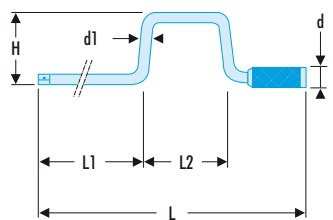


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- For fast rotation.
- PVC rotating handle.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
J.110A	29	12	115	382	130	110	395

3/8" drive metal-grip speed brace



NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

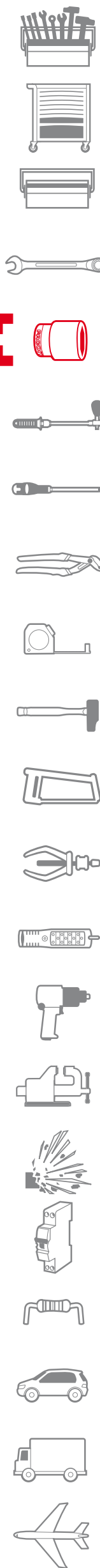
- For fast rotation.
- Metal rotating handle.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
J.115	29	9,5	75	420	195	125	425

J.222A 3/8" drive flexible spinner

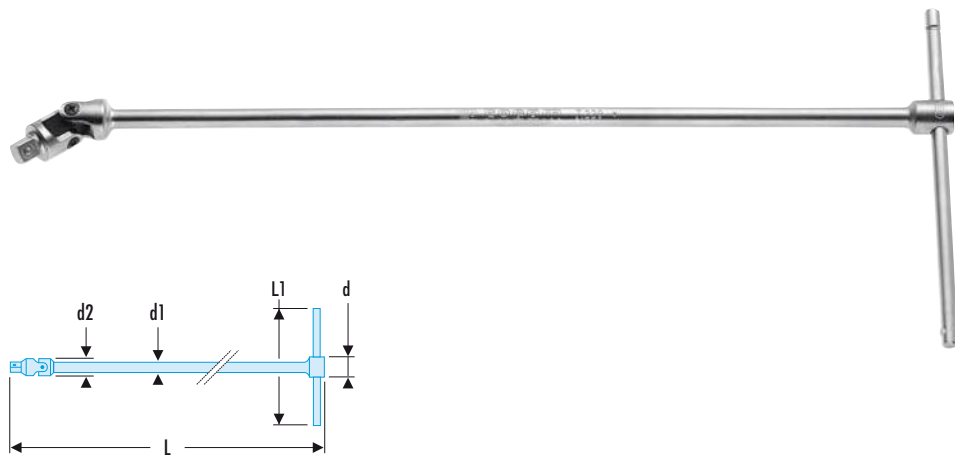


- Ergonomic bi-material grip.
 - For fasteners where access is difficult.
 - Length 295 mm.
 - Finish: bright chrome.
- Weight: 230 g.



"Junior" 3/8" range

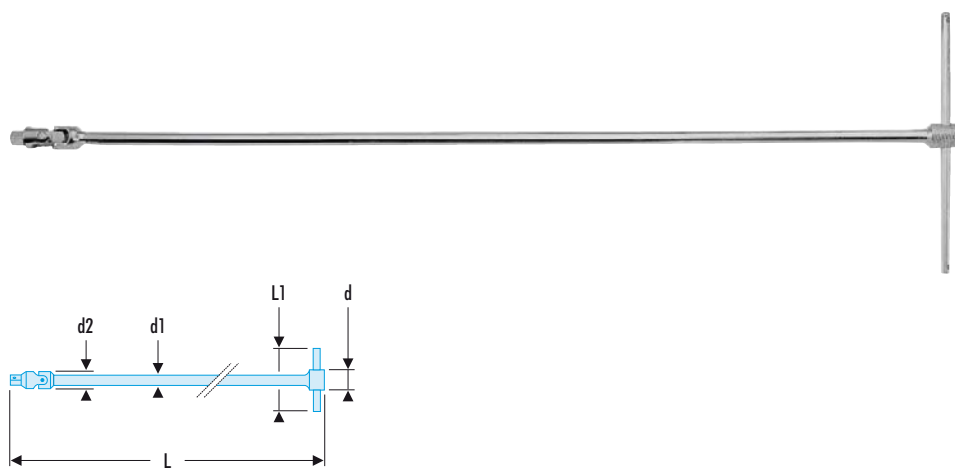
3/8" drive tee with universal joint



- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Sliding tee handle for a T or L position for more power.
- Finish: bright chrome.

Part No.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.229A	17	10	19	460	175	410

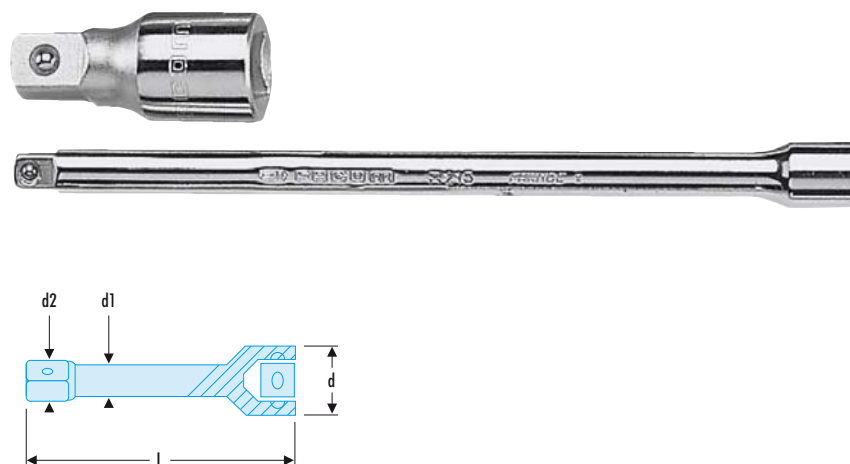
3/8" long-reach drive tee with universal joint



- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Sliding tee handle for a T or L position for more power.
- Finish: bright chrome.

Part No.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.228	18	12	19	700	190	660

J - 3/8" drive extensions

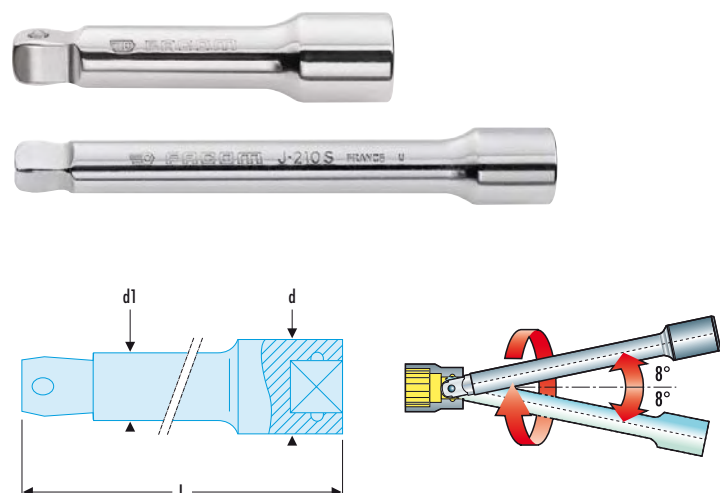


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Finish: bright chrome.

Part No.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	ΔΔ [g]
J.208	18	10	12,6	50	62
J.209	18	10	12,6	75	86
J.210	18	10	12,6	125	127
J.215	18	10	12,6	250	230
J.217	18	10	12,6	500	445

J.S - 3/8" drive wobble extensions

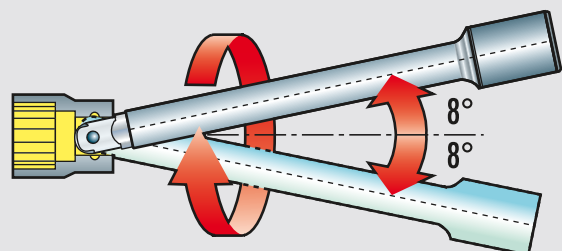


- Square drive profile gives 8° working angle.
- Useful where access is limited.
- Finish: bright chrome.

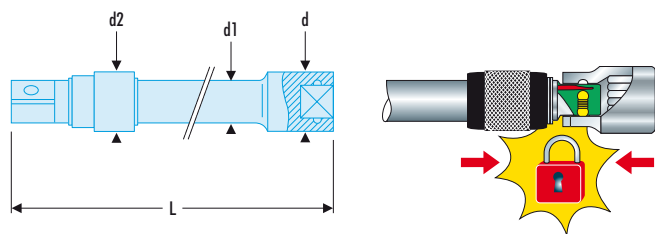
Part No.	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
J.209S	18	12,5	75	80
J.210S	18	12,5	125	130

WOBBLE EXTENSION

Hard to access with a socket or universal joint? USE A WOBBLE EXTENSION !



J.RC - 3/8" drive locking extensions

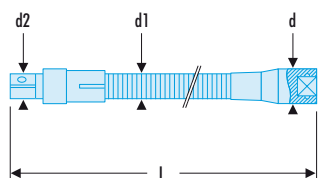


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Total safety as lock system prevents socket loss.
- Finish: bright chrome with phosphate-hardened ring.

🔑	d [mm]	d1 [mm]	d2 [mm]	L [mm]	ΔΔ [g]
J.210RC	18	12,5	18	125	135
J.215RC	18	12,5	18	250	240
J.217RC	18	12,5	18	500	490

3/8" wobble extension

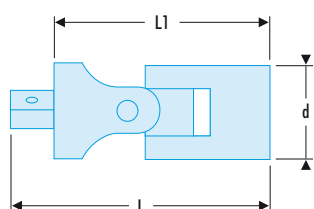


ASME B107.10

- Maximum access.
- Unsuitable for high torques.
- Finish: bright chrome.

🔑	d [mm]	d1 [mm]	d2 [mm]	L [mm]	ΔΔ [g]
J.216	18	12,6	15	200	145

3/8" universal joint



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

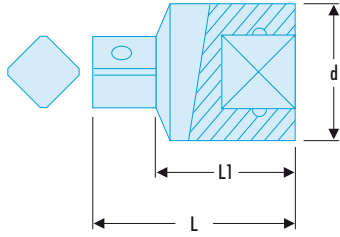
- Spring-stiffened joints.
- Finish: bright chrome.

🔑	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.240A	18	51,5	36,5	60



"Junior" 3/8" range

3/8" to 1/4" coupler

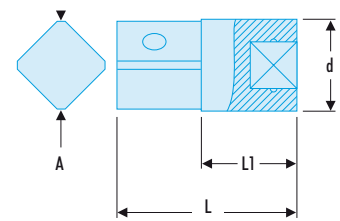


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- For adapting 1/4" drive sockets.
- Max. torque 62 N.m.
- Finish: bright chrome.

Part No.	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.230	17,5	24,5	17	25

3/8" to 1/2" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- For adapting 1/2" drive sockets.
- Finish: bright chrome.

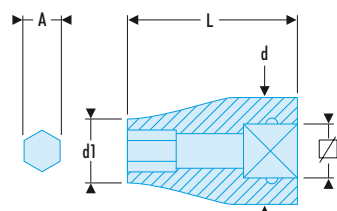
Part No.	A [mm]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.232	16,5	18	34,5	19	45

D.169 Set of 3 couplers



- Allows use of square drivers smaller than socket drive sizes:
 - 1/4" square drive + D.169RJ --> 3/8" socket.
 - 3/8" square drive + D.169JS --> 1/2" socket.
 - 1/2" square drive --> 3/4" socket.
 - Compactness means that fewer tools are needed for in situ maintenance operations.
 - Magnetic retainer and locking system (JS and SK).
 - Knurl allows hand tightening where access is difficult.
- Weight: 96 g.

J - 3/8" bit holder sockets with retaining clip



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

- Spring clip for frequent bit changes.
- For frequent removals.
- Finish: bright chrome.
- J.235: 1/4 bits.
- J.236: 5/16 bits.

Part No.	A ["]	Square ["]	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
J.235	1/4	3/8	18,0	11,3	30	26
J.236	5/16	3/8	18,0	14	30	30

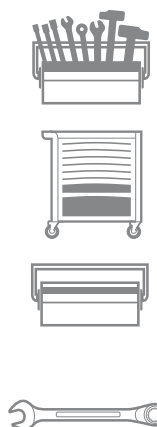
3/8" bit holder socket with locking ring



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124

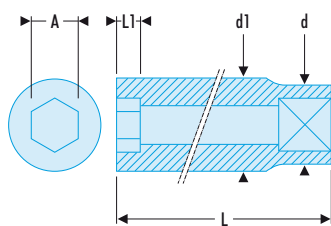
- Bit lock.
- Square drive has side-hole for ball or plunger lock.

EFJ	A ["]	Square ["]	L [mm]	ΔΔ [g]
EFJ	1/4	3/8	43	48



Sockets 3/8"

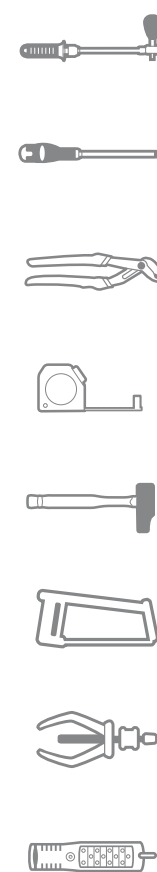
J.H - 3/8" metric 6-point sockets



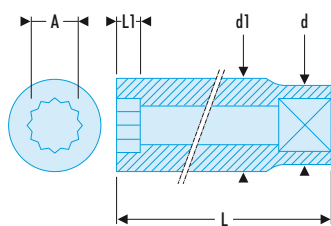
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Available as rack sets (Ref J.40U).
- Finish: bright chrome.

EFJ	A [mm]	⊕ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.7H	7	6	17,6	11,0	27	6,0	24
J.8H	8	6	17,6	12,2	27	6,5	25
J.9H	9	6	17,6	13,5	27	6,7	25
J.10H	10	6	17,6	14,7	27	7,8	26
J.11H	11	6	17,6	16,0	27	9,0	27
J.12H	12	6	17,6	17,2	27	9,5	26
J.13H	13	6	17,4	18,3	30	10,4	36
J.14H	14	6	17,6	19,5	30	10,5	34
J.15H	15	6	18,9	20,8	30	12,0	38
J.16H	16	6	19,9	22,0	30	12,0	45
J.17H	17	6	21,7	23,4	30	13,0	52
J.18H	18	6	21,7	24,7	33	13,0	69
J.19H	19	6	22,7	26,0	33	14,0	62
J.20H	20	6	22,2	27,2	33	15,0	70
J.21H	21	6	23,5	28,5	33	16,0	75
J.22H	22	6	24,7	29,7	33	16,5	80
J.23H	23	6	26,0	31,0	33	16,5	90
J.24H	24	6	26,3	31,3	33	16,5	86



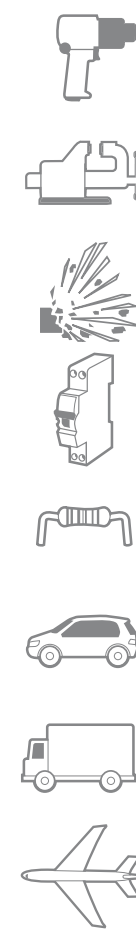
J - 3/8" metric 12-point sockets



NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

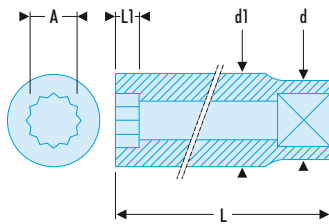
- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

EFJ	A [mm]	⊕ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.7	7	12	17,6	11,0	27	6,0	24
J.8	8	12	17,6	12,2	27	6,5	25
J.9	9	12	17,6	13,5	27	6,7	25
J.10	10	12	17,6	14,7	27	7,8	26
J.11	11	12	17,6	16,0	27	9,0	27
J.12	12	12	17,6	17,2	27	9,5	26
J.13	13	12	17,5	18,3	30	10,4	36
J.14	14	12	17,7	19,5	30	10,5	34
J.15	15	12	19,0	20,8	30	12,0	38
J.16	16	12	20,0	22,0	30	12,0	45
J.17	17	12	21,7	23,4	30	13,0	52
J.18	18	12	21,7	24,7	33	13,0	69
J.19	19	12	22,7	26,0	33	14,0	62
J.20	20	12	22,2	27,2	33	15,0	70
J.21	21	12	23,5	28,5	33	16,0	75
J.22	22	12	24,7	29,7	33	16,5	80
J.23	23	12	26,0	31,0	33	16,5	90
J.24	24	12	26,3	31,3	33	16,5	86



"Junior" 3/8" range

▣ J - 3/8" inch 12-point sockets

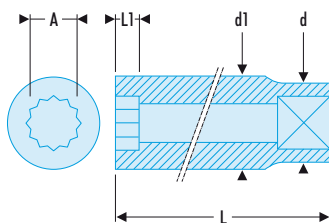


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Available as rack sets (Ref J.40U).
- Finish: bright chrome.

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.1/4	1/4	12	17,5	10,0	27	6,0	24
J.5/16	5/16	12	17,5	11,9	27	6,5	25
J.3/8	3/8	12	17,6	14,1	27	7,5	26
J.7/16	7/16	12	17,5	16,0	27	9,0	27
J.1/2	1/2	12	17,5	18,1	30	10,4	36
J.9/16	9/16	12	17,7	19,5	30	10,5	34
J.5/8	5/8	12	20,0	22,0	30	12,0	46
J.11/16	11/16	12	21,0	24,0	33	13,0	74
J.3/4	3/4	12	22,7	26,0	33	14,0	76
J.13/16	13/16	12	23,0	28,0	33	16,0	79
J.7/8	7/8	12	24,7	29,7	33	16,5	104
J.15/16	15/16	12	26,3	31,3	33	16,5	136
J.1'	1	12	28,3	33,3	33	16,5	156

▣ JB - 3/8" inch 12-point sockets

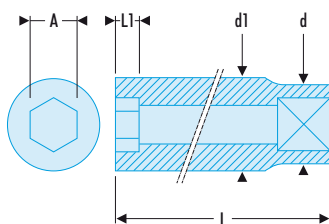


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Built to aeronautical specifications.
- Finish: bright chrome.

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
JB.1/4	1/4	12	16,7	9,7	27	6,0	20
JB.5/16	5/16	12	16,7	11,7	27	6,8	21
JB.11/32	11/32	12	16,7	12,7	27	6,8	22
JB.3/8	3/8	12	16,7	13,7	27	7,5	23
JB.7/16	7/16	12	16,7	15,6	27	9,0	24
JB.1/2	1/2	12	16,7	17,6	30	10,4	27
JB.9/16	9/16	12	18,5	19,6	30	10,5	33
JB.5/8	5/8	12	20,0	21,6	30	12,0	42
JB.11/16	11/16	12	22,0	23,6	32	13,0	50
JB.3/4	3/4	12	22,8	25,4	32	15,0	55
JB.13/16	13/16	12	24,0	27,4	32	16,0	68
JB.7/8	7/8	12	24,0	29,4	32	16,0	68

▣ J.HLA - 3/8" long-reach metric 6-point sockets

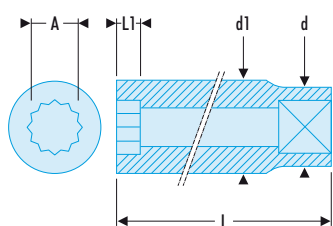


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Available as rack set Ref JL.40E (7 --> 15 mm) and Ref RL.41E (16 --> 24 mm).
- Finish: bright chrome.

➤	A [mm]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.7HLA	7	6	17,3	10,6	55	6,0	44
J.8HLA	8	6	17,3	12,0	55	7,5	46
J.9HLA	9	6	17,3	13,0	55	7,5	47
J.10HLA	10	6	17,3	14,5	55	9,0	50
J.11HLA	11	6	17,3	16,0	55	10,5	53
J.12HLA	12	6	17,2	16,8	55	12,0	53
J.13HLA	13	6	17,0	18,0	55	12,0	54
J.14HLA	14	6	18,0	20,0	55	15,0	60
J.15HLA	15	6	20,0	21,0	60	15,0	75
J.16HLA	16	6	20,0	22,0	60	15,0	85
J.17HLA	17	6	22,0	23,5	60	15,0	102
J.18HLA	18	6	23,0	24,5	60	18,0	109
J.19HLA	19	6	24,0	25,0	60	18,0	110
J.21HLA	21	6	26,0	27,0	60	18,0	123
J.22HLA	22	6	28,0	29,0	60	21,0	150
J.24HLA	24	6	30,0	31,0	60	24,0	176

■ J.LA - 3/8" long-reach metric 12-point sockets

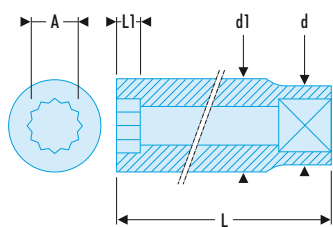


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Available as rack sets (Ref JL.40U).
- Finish: bright chrome.

➤	A [mm]	12 [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.7LA	7	12	17,3	10,6	55	6,0	44
J.8LA	8	12	17,3	12,0	55	7,5	46
J.9LA	9	12	17,3	13,0	55	7,5	47
J.10LA	10	12	17,3	14,5	55	9,0	50
J.11LA	11	12	17,3	16,0	55	10,5	53
J.12LA	12	12	17,3	16,8	55	12,0	53
J.13LA	13	12	17,2	18,0	55	12,0	54
J.14LA	14	12	17	20,0	55	15,0	60
J.15LA	15	12	18	21,0	55	15,0	75
J.16LA	16	12	20	22,0	60	15,0	85
J.17LA	17	12	20	23,5	60	15,0	102
J.18LA	18	12	22	24,5	60	18,0	109
J.19LA	19	12	23	25,0	60	18,0	110
J.21LA	21	12	24	27,0	60	18,0	123
J.22LA	22	12	26	29,0	60	21,0	150
J.24LA	24	12	30	31,0	60	21,0	176

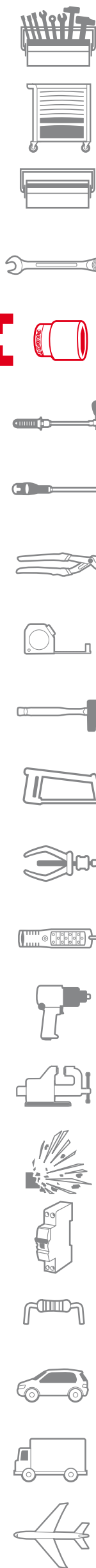
■ J.LA - 3/8" inch 12-point sockets



ASME B107.1

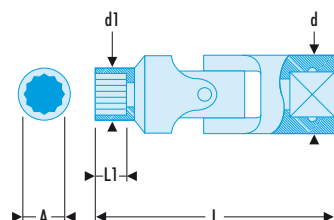
- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

➤	A ["]	12 [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.1/4LA	1/4	12	17,5	10,6	44,7	4,0	36
J.5/16LA	5/16	12	17,5	12,4	44,7	4,3	36
J.3/8LA	3/8	12	17,5	14,3	44,7	4,7	41
J.7/16LA	7/16	12	17,5	16,2	44,7	6,2	45
J.1/2LA	1/2	12	18,2	18,2	44,7	7,4	50
J.9/16LA	9/16	12	20,5	20,5	48,0	9,0	72
J.5/8LA	5/8	12	22,3	22,3	63,8	10,2	104
J.11/16LA	11/16	12	23,8	23,8	63,8	10,2	113
J.3/4LA	3/4	12	25,3	25,3	63,8	11,8	127
J.13/16LA	13/16	12	27,0	27,0	63,8	12,3	140
J.7/8LA	7/8	12	30,2	30,2	63,8	12,7	181
J.15/16LA	15/16	12	31,8	31,8	63,8	12,7	185
J.1"LA	1	12	33,4	33,4	63,8	12,7	185



"Junior" 3/8" range

▣ J.F - 3/8" drive hinged inch 12-point sockets



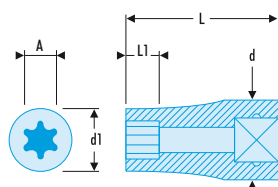
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Compact solution used instead of universal joint.
- Finish: bright chrome.

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
J.3/8F	3/8	12	19	14,0	47,5	8,3	55
J.7/16F	7/16	12	19	15,8	49,0	9,8	55
J.1/2F	1/2	12	19	18,3	50,5	11,3	60
J.9/16F	9/16	12	19	19,5	50,5	11,3	60
J.5/8F	5/8	12	19	22,00	53,5	12,8	70
J.11/16F	11/16	12	19	24,00	54,5	13,8	72
J.3/4F	3/4	12	19	25,8	56,5	15,8	80

Torx® sockets 3/8"

▣ JTX - 3/8" Torx® sockets

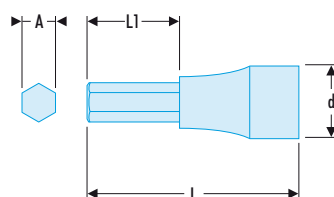


- For Torx® fasteners.
- Available as metal rack set (Ref JTX.40).
- Finish: bright chrome.

➤	A [mm]	Torx [No]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
JTX.8	7,29	E8	17,3	9,9	26	5,6	40
JTX.10	9,19	E10	17,3	11,8	26	6,4	40
JTX.12	10,95	E12	17,3	14,5	26	8,0	40
JTX.14	12,67	E14	17,3	15,7	26	8,8	50
JTX.16	14,70	E16	17,3	18,0	26	9,6	100

Screwdriver sockets 3/8"

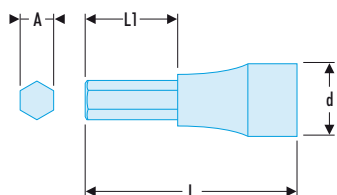
▣ JT - 3/8" drive metric bit sockets



- Removable bits.
- J.235 socket.
- Finish: bright chrome with phosphate-hardened tip.
- Available as rack set Ref JT.40.

➤	A [mm]	d [mm]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
JT.3	3	18	EH.103	45,0	15,0	31
JT.4	4	18	EH.104	45,0	15,0	31
JT.5	5	18	EH.105	45,0	15,0	32
JT.6	6	18	EH.106	45,0	15,0	33
JT.7	7	18	EH.107	45,0	15,0	34
JT.8	8	18	EH.208	47,5	17,5	43
JT.10	10	18	EH.210	47,5	17,5	50

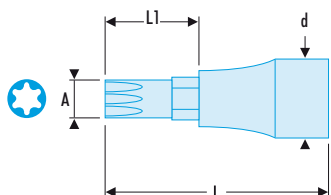
JT - 3/8" drive inch bit sockets



- Removable bits.
- J.235 sockets.
- Finish: bright chrome with phosphate-hardened tip.
- Available as metal rack set (Ref JT.40).

➤	A ["]	d [mm]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
JT.1/8	3,17	18	EH.101/8	45	15,0	31
JT.5/32	3,96	18	EH.105/32	45	15,0	31
JT.3/16	4,76	18	EH.103/16	45	15,0	31
JT.7/32	5,56	18	EH.107/32	45	15,0	32
JT.1/4	6,35	18	EH.101/4	45	15,0	33
JT.5/16	7,94	18	EH.205/16	47,5	17,5	43
JT.3/8	9,53	18	EH.203/8	47,5	17,5	50

JX - 3/8" Torx® drive sockets



- Removable bits.
- J.236 socket.
- Finish: bright chrome with phosphate-hardened tip.

➤	A [mm]	Torx [No]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
JX.10	2,72	T10	EX.110	46,0	16,0	33,50
JX.15	3,26	T15	EX.115	46,0	16,0	33,50
JX.20	3,84	T20	EX.120	46,0	16,0	33,50
JX.25	4,40	T25	EX.125	46,0	16,0	33,50
JX.27	4,96	T27	EX.127	46,0	16,0	33,50
JX.30	5,49	T30	EX.130	46,0	16,0	33,50
JX.40	6,60	T40	EX.140	52,5	22,5	45,00
JX.45	7,77	T45	EX.145	52,5	22,5	45,00
JX.50	8,79	T50	EX.150	52,5	22,5	47,50
JX.55	11,17	T55	EX.155	52,5	22,5	61,00

CREATE YOUR OWN BIT SOCKETS

Screw bits



- Series 1 \hexagon 1/4"
 - Series 2 \hexagon 5/16"
- See Section 7

Bit holder 3/8"



J.235
 \hexagon 1/4"
6.35 mm






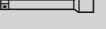





J.236
 \hexagon 5/16"
7.94 mm

➤ See p. 270



1/2" "DETECTION BOX" SETS

METRIC DIMENSIONS

		SL.DBOX1	SL.DBOX112	SL.DBOX4	SL.DBOX412
		SL.161	SL.161	SL.161	SL.161
		6	12	6	6
Socket type		Standard	Standard	Standard	Standard
 mm	8	•	•	•	•
	9			•	•
	10	•	•	•	•
	11	•	•	•	•
	12	•	•	•	•
	13	•	•	•	•
	14	•	•	•	•
	15	•	•	•	•
	16	•	•	•	•
	17	•	•	•	•
	18	•	•	•	•
	19	•	•	•	•
	21	•	•	•	•
	22	•	•	•	•
	23			•	•
24	•	•	•	•	
27	•	•	•	•	
30	•	•	•	•	
32	•	•	•	•	
	S.210S			•	•
	S.120A			•	•
	S.240A	•	•		
	S.215	•	•		
	S.210	•	•		
		BV.S1NANO		BV.S2NANO	
		340 x 180 x 58 mm			
		3,680 Kg		3,750 Kg	

SL.DBOX1



SL.DBOX112



SL.DBOX4











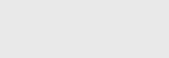



SL.DBOX412



1/2" "DETECTION BOX" SETS

METRIC DIMENSIONS

		S.360DBOX1	S.360DBOX112	S.360DBOX4	S.360DBOX412	S.DBOX500	S.DBOX501
		S.360	S.360	S.360	S.360	S.171	S.171
		Standard	Standard	Standard	Standard	Standard	Standard
 mm	8	•	•	•	•	•	•
	9						
	10	•	•	•	•	•	•
	11	•	•	•	•	•	•
	12	•	•	•	•	•	•
	13	•	•	•	•	•	•
	14	•	•	•	•	•	•
	15	•	•	•	•	•	•
	16	•	•	•	•	•	•
	17	•	•	•	•	•	•
	18	•	•	•	•	•	•
	19	•	•	•	•	•	•
	21	•	•	•	•	•	•
	22	•	•	•	•	•	•
	23						
24	•	•	•	•	•	•	
27	•	•	•	•	•	•	
30	•	•	•	•	•	•	
32	•	•	•	•	•	•	
	S.210S			•	•		
	S.120A			•	•		
	S.240A	•	•			•	•
	S.215A	•	•				
	S.215RC					•	•
	S.210	•	•				
	S.210RC					•	•
		BV.S1NANO		BV.S2NANO		BV.S1NANO	
		340 x 480 x 58 mm				340 x 480 x 58 mm	
		3,890 Kg				3,740 Kg	

S.360DBOX1



S.360DBOX112



S.360DBOX4



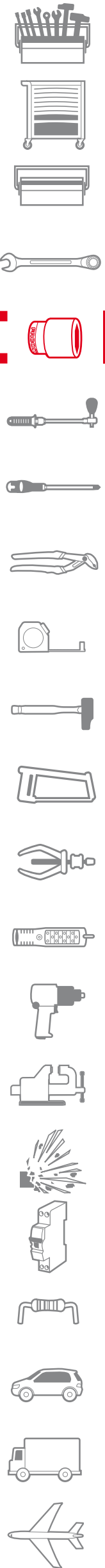
S.360DBOX412



S.DBOX500




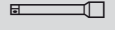
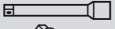











S.DBOX501



1/2" "STANDARD" SETS

METRIC DIMENSIONS

		S.420B	S.423AP	S.422AP	S.200DP	S.600
		S.151	S.161	S.161	S.161	S.161
		12	6	12	6	6
Socket type		Standard	Standard	Standard	Standard	Standard
 mm	8		•	•		•
	9		•	•		•
	10	•	•	•	•	•
	11	•	•	•	•	•
	12	•	•	•	•	•
	13	•	•	•	•	•
	14	•	•	•	•	•
	15	•	•	•	•	•
	16	•	•	•	•	•
	17	•	•	•	•	•
	18	•	•	•	•	•
	19	•	•	•	•	•
	20					
	21	•	•	•	•	•
	22	•	•	•	•	•
	23					
	24	•	•	•	•	•
	26					
	27				•	•
28						
29						
30				•	•	
32				•	•	
34						
	S.210		•	•	•	
	S.215	•	•	•	•	•
	S.240A		•	•	•	•
	S.120A					
	S.110					
	S.210RC					
	S.215RC					
		PL.423	PL.422	PL.422	PL.618	PL.619
		BP.112				
		389 x 164 x 66 mm				
		2,33 Kg	2,92 Kg		3,45 Kg	

S.420B



S.423AP
S.422AP



S.200DP





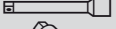









S.600



1/2" "STANDARD" SETS

METRIC DIMENSIONS

		S.429EP	S.428EP	S.431ADP	S.430ADP	S.441AP	S.440AP
		S.161	S.161	S.161	S.161	S.161	S.161
		6	12	6	12	6	6
Socket type		Standard	Standard	Standard	Standard	Standard	Standard
 mm	8					•	•
	9					•	•
	10	•	•	•	•	•	•
	11	•	•	•	•	•	•
	12	•	•	•	•	•	•
	13	•	•	•	•	•	•
	14	•	•	•	•	•	•
	15	•	•	•	•	•	•
	16					•	•
	17	•	•	•	•	•	•
	18					•	•
	19	•	•	•	•	•	•
	20					•	•
	21		•	•	•	•	•
	22	•	•	•	•	•	•
	23					•	•
	24	•	•	•	•	•	•
26					•	•	
27	•	•	•	•	•	•	
28					•	•	
29					•	•	
30	•	•	•	•	•	•	
32	•	•	•	•	•	•	
34					•	•	
	S.210	•	•	•	•	•	•
	S.215	•	•	•	•	•	•
	S.240A	•	•	•	•	•	•
	S.120A	•	•	•	•	•	•
	S.110					•	•
		PL.10A		PL.701		PL.619	
				BR.109			
				478 x 234 x 72 mm			
		4,03 Kg		4,88 Kg		5,95 Kg	

S.429EP
S.428EP ▼



S.431ADP
S.430ADP ▼










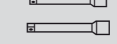



S.441AP
S.440AP ▼



1/2" "STANDARD" SETS

METRIC DIMENSIONS

		S.441E	S.440E	S.800	S.900	S.447DP	S.446DP
		S.151	S.151	S.161	S.161	S.161	S.161
		6	12	6	6	6	12
Socket type		Standard	Standard	Standard	Standard	Standard	Standard
 mm	8	•	•	•	•		
	9	•	•				
	10	•	•				
	11	•	•				
	12	•	•				
	13	•	•				
	14	•	•				
	15	•	•				
	16	•	•				
	17	•	•				
	18	•	•				
	19	•	•				
	20						
	21	•	•				
	22	•	•				
	23	•	•				
	24	•	•				
26	•	•					
27	•	•					
28	•	•					
29	•	•					
30	•	•					
32	•	•					
34	•	•					
 EP	1			•	•		
	2			•	•		
	3			•	•		
 mm	3						
	4			•	•		
	5			•	•		
	6			•	•	•	•
	7						
8			•	•	•	•	
10					•	•	
 ED	1			•	•		
	2			•	•		
	3			•	•		
 ES	4,5						
	6,5			•	•		
	8			•	•		
	10			•	•		
 EHL	4			•	•		
	5			•	•		
	6			•	•		
	7			•	•		
	8			•	•		
10			•	•			
 EX	20			•	•		
	25			•	•		
	27			•	•		
	30			•	•		
	40			•	•		
	45			•	•		
	50			•	•		
 EXL	30			•	•		
	40			•	•		
	45			•	•		
	50			•	•		
	50			•	•		
 ENH	12					•	•
	24					•	•
	S.206			•			
	S.208				•		
	S.210	•	•			•	•
	S.210S						
	S.215	•	•	•	•	•	•
	S.240A	•	•	•	•	•	•
	S.120A	•	•			•	•
	S.110	•	•				
	S.236			•	•	•	•
	S.237			•	•	•	•
		PL.708		PL.706	PL.705		PL.291A
		BP.109					
		478 x 234 x 72 mm					
		5,95 Kg		4,70 Kg	7,30 Kg		5,00 Kg

S.441E
S.440E



S.800



S.900











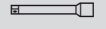














S.447DP
S.446DP



1/2" "STANDARD" SETS

METRIC DIMENSIONS

		S.442EP	SM.440EP	SM.441EP	S.450EP
  Socket type		S.161  Standard	SL.161  Standard	SL.161  Standard	S.161   Standard: long
 mm	7				
	8	•	•	•	•
	9	•	•	•	•
	10	•	•	•	•
	11	•	•	•	•
	12	•	•	•	•
	13	•	•	•	•
	14	•	•	•	•
	15	•	•	•	•
	16	•	•	•	•
	17	•	•	•	•
	18	•	•	•	•
	19	•	•	•	•
	21	•	•	•	•
	22	•	•	•	•
	23	•	•	•	•
	24	•	•	•	•
26	•	•	•	•	
27	•	•	•	•	
28	•	•	•	•	
29	•	•	•	•	
30	•	•	•	•	
32	•	•	•	•	
34	•	•	•	•	
 EP	3				•
	4				•
 ENS	314				•
	316				•
 S.210  S.215  S.240A  S.120A  S.110  S.236  S.237  S.234  S.141A		•	•	•	•
		•	•	•	•
		•	•	•	•
		•	•	•	•
		•	•	•	•
		•	•	•	•
		•	•	•	•
		•	•	•	•
 P.21  BT.6A  468 x 190 x 160 mm  7,68 Kg			PL.708		PLT.11, PL.23, PL.24A
			BP.109		BP.108
			478 x 234 x 72 mm		452 x 284 x 111 mm
		6,05 Kg		14,86 Kg	

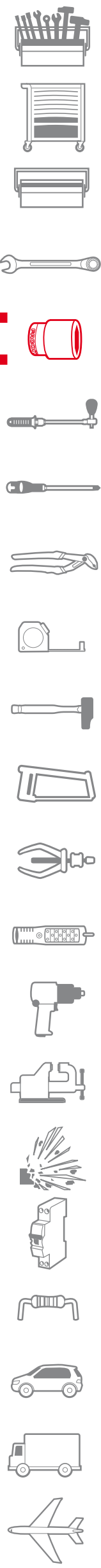
S.442EP







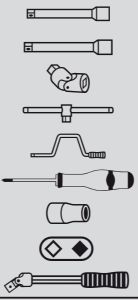
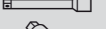
SM.440EP
SM.441EP



S.450EP



1/2" "STANDARD" SETS INCH DIMENSIONS

		S.420AU	S.441AUP	S.440AUP	SL.441AUP	SL.440AUP	S.450UP
Socket type		S.151 Standard	S.161 Standard	S.161 Standard	SL.161 Standard	SL.161 Standard	S.161+S.156 Standard: long
	3/8	•	•	•	•	•	•
	7/16	•	•	•	•	•	•
	1/2	•	•	•	•	•	•
	9/16	•	•	•	•	•	•
	19/32	•	•	•	•	•	•
	5/8	•	•	•	•	•	•
	21/32	•	•	•	•	•	•
	11/16	•	•	•	•	•	•
	3/4	•	•	•	•	•	•
	25/32	•	•	•	•	•	•
	13/16	•	•	•	•	•	•
	7/8	•	•	•	•	•	•
	15/16	•	•	•	•	•	•
	31/32	•	•	•	•	•	•
	1'	•	•	•	•	•	•
	1'1/16	•	•	•	•	•	•
1'1/8	•	•	•	•	•	•	
1'1/4	•	•	•	•	•	•	
	3						•
	4						•
	314						•
	316						•
	S.210		•	•	•	•	•
	S.215	•	•	•	•	•	•
	S.240A		•	•	•	•	•
	S.120A	•	•	•	•	•	•
	S.110		•	•	•	•	•
	S.236						•
	S.237						•
	S.234						•
S.141A						•	
	PL.415		PL.702		PL.702		PLT.11, PL.23, PL.24A
	BP.112		BP.109		BP.109		BT.108
	389x164x66 mm		478x234x72 mm		478x234x72 mm		452x284x111 mm
	2,43 Kg		5,18 Kg		5,13 Kg		13,03 Kg

S.420AU



**S.441AUP
S.440AUP**



**SL.441AUP
SL.440AUP**













S.450UP



1/2" SOCKETS SETS

STANDARD SETS

		S.401A	S.400A	S.405E	S.404E	STM.J9	AMEX.3
 TORX®						-	-
Socket type		Standard	Standard	Long	Long	Hexagonal screwdriver socket	TORX®
	8	•	•				
	9	•	•				
	10	•	•				
	11	•	•				
	12	•	•	•	•		
	13	•	•	•	•		
	14	•	•	•	•		
	15	•	•	•	•		
	16	•	•	•	•		
	17	•	•	•	•		
	18	•	•	•	•		
	19	•	•	•	•		
	21	•	•	•	•		
	22	•	•	•	•		
	23	•	•	•	•		
24	•	•	•	•			
26	•	•	•	•			
27	•	•	•	•			
28	•	•	•	•			
29	•	•	•	•			
30	•	•	•	•			
32	•	•	•	•			
	STM.5					•	
	STM.6					•	
	STM.7					•	
	STM.8					•	
	STM.10					•	
	STM.12					•	
	STM.14					•	
	STM.17					•	
STM.19					•		
	SXM.20						•
	SXM.25						•
	SXM.27						•
	SXM.30						•
	SXM.40						•
	SXM.45						•
	SXM.50						•
SXM.55						•	
SXM.60						•	
		PL.413		PL.52B		PL.458	PL.455
		BP.112		BP.109		BP.102	
		389 x 164 x 66 mm		478 x 234 x 72 mm		204 x 122 x 52 mm	
		2,69 Kg		4,65 Kg		0,865 Kg	

S.401A
S.400A



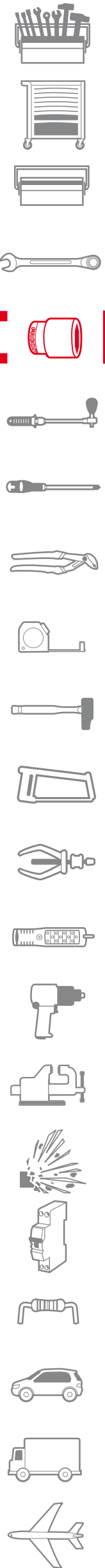
S.405E
S.404E













STM.J9



AMEX.3



1/2" SOCKETS SETS IN METALLIC RACK

			S.40E	S.41E	S.40U	S.41U	STX.40	RSX.J6	
							TORX	TORX	
Socket type		Standard	Standard	Standard	Standard	Standard	Standard	Standard 1/4" + 1/2"	
 mm	7								
	8	•							
	9	•							
	10	•							
	11	•							
	12	•							
	13	•							
	14	•							
	15	•							
	16	•							
	17			•					
	18			•					
	19			•					
	21			•					
	22			•					
	23			•					
24			•						
 "	3/8			•					
	7/16			•					
	1/2			•					
	9/16			•					
	19/32			•					
	5/8			•					
	21/32			•					
	11/16				•				
	3/4				•				
	13/16				•				
	7/8				•				
	15/16				•				
1"				•					
TORX®	E.6							•	
	E.8							•	
	E.10							•	
	E.12					•		•	
	E.14					•		•	
	E.16					•		•	
	E.18					•			
	E.20					•			
		CKS.95	CKS.95	CKS.97	CKS.95	CKS.90	CKS.98		
		0,570 Kg	0,69 Kg	0,465 Kg	0,350 Kg	0,320 Kg	0,205 Kg		

S.40E
S.41E
S.40U
S.41U










STX.40



RSX.J6



1/2" SOCKETS SETS IN METALLIC RACK

		ST.40	ST.41	SX.41	SV.40A	SV.41A	SV.J8A	SV.LJ6A
Screwdriver socket								
  STM	STM.6	•						
	STM.8	•						
	STM.10	•						
	STM.12	•						
	STM.14	•						
	STM.17	•						
	STM.19	•						
  SXM	SXM.20			•				
	SXM.25			•				
	SXM.27			•				
	SXM.30			•				
	SXM.40			•				
	SXM.45			•				
	SXM.50			•				
	SXM.55			•				
SHPLA: long screwdriver socket for countersunk hex head screws	SHPLA.6		•					
	SHPLA.7		•					
	SHPLA.8		•					
	SHPLA.10		•					
	SHPLA.12		•					
SVLB: long screwdriver socket with multiple XZN teeth	SV.6LB						•	•
	SV.8LB					•	•	•
	SV.10LB					•	•	•
	SV.12LB					•	•	•
SVB: long screwdriver socket with multiple XZN teeth	SV.6B				•		•	
	SV.8B				•		•	
	SV.10B				•		•	
	SV.12B				•		•	
Extra-long screwdriver socket with multiple XCN teeth	SV.10ELB							•
	SV.12ELB							•
  	CKS.97	CKS.90	CKS.95	CKS.90		PL.247	PL.258	
	0,830 Kg	0,61 Kg	0,64 Kg	0,34 Kg	0,44 Kg	0,805 Kg	0,80 Kg	

ST.40



ST.41



SX.41



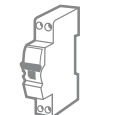
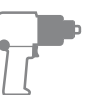
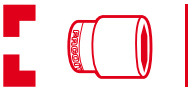
SV.40A
SV.41A













SV.J8A



SV.LJ6A



1/2" MODULES IN THERMOFORMED TRAYS METRIC-INCH

		MOD.SL1	MOD.S1	MOD.S2	MOD.HLA	
		SL.161	S.161	S.161		
 12 6		6	6	12	6	
 1/4" 6.35 mm		Standard	Standard	Standard	Long	Long
	3/8			•		
	7/16			•		
	1/2			•		
	9/16			•		
	19/32			•		
	5/8			•		
	21/32			•		
	11/16			•		
	3/4			•		
	25/32			•		
	13/16			•		
	7/8			•		
	15/16					
	31/32					
	1					
	1'1/16					
1'1/8						
1'1/4						
	7					•
	8					•
	9					•
S.10H	S.10H	•	•			•
	S.11H	•	•		1/2	•
	S.12H	•	•		•	3/8
	S.13H	•	•		•	
	S.14H	•	•		•	
	S.15H	•	•		•	
	S.16H	•	•		•	
	S.17H	•	•		•	
	S.18H	•	•		•	
	S.19H	•	•		•	
	S.21H	•	•			
	S.22H	•	•			
S.23H	•	•				
S.24H	•	•				
S.27H	•	•				
S.30H	•	•				
S.32H	•	•				
	S.210	•	•	•		
	S.215	•	•	•		
	S.240A	•	•	•		
	S.120A					
	S.236					
	S.232B	•				
	S.230	•				
	PL.687	PL.323	PL.604	PL.609		
	435x198x55 mm	420x180x55 mm	420x180x55 mm	420x180x55 mm		
	3,36 Kg	3,32 Kg	2,95 Kg	1,62 Kg		

MOD.SL1



MOD.S1

















MOD.S2



MOD.HLA



1/2" MODULES IN THERMOFORMED TRAYS

		MOD.TX1		MOD.CH	MOD.SHP
		TORX® JTX Standard	TORX® STX Standard	TORX® + XZN screwdriver socket Standard + Long	TORX® + XZN screwdriver socket Long
  other	D.34B7L			•	
	D.34B9L			•	
	D.34B10L			•	
	D.34B12L			•	
	D.34B14L			•	
	D.34B16L			•	
 JTX 3/8"	JTX.8	•		•	
	JTX.10	•		•	
	JTX.12	•			
	JTX.14	•			
	JTX.16	•			
SHP: countersunk hex long screwdriver	SHP.5LA				•
	SHP.6LA			•	•
	SHP.7LA				•
	SHP.8LA			•	•
	SHP.10LA			•	
  STX	STX.12			•	
	STX.14			•	
	STX.16			•	
	STX.18	•		•	
	STX.20	•		•	
SVB: long screwdriver socket with multiple teeth	SV.6LB			•	•
	SV.8LB			•	•
	SV.10ELB			•	•
	SV.12ELB			•	•
	SV.14ELB			•	•
SX: screwdriver socket for TORX®	SX.40LA				•
	SX.45LA				•
	SX.55LA			•	•
	SX.70LA			•	•
  EXR	10	•			
	15	•			
	20	•			
	25	•			
	30	•			
  EX	40	•			
	45	•			
	50	•			
	55	•			
59TX : TORX®	6x8	•			
	10x12	•			
	14x18	•			
	20x27	•			
   R.235 S.236 J.235	R.235	•			
	S.236	•			
	J.235	•			
 		PL.360		PL.663	PL.336
		420 x 180 x 55 mm			
		0,99 Kg			

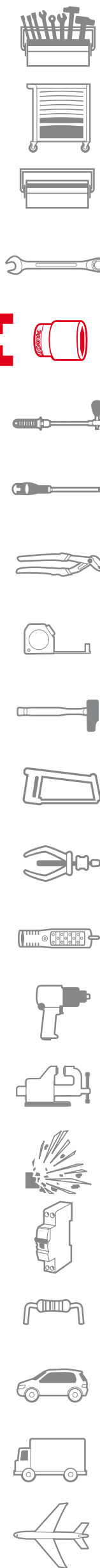
MOD.TX1






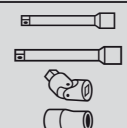

MOD.CH



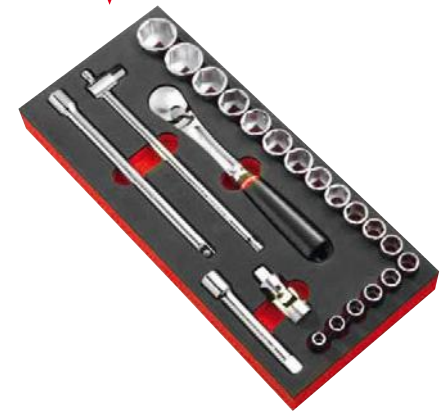
MOD.SHP



1/2" MODULES IN BI-COLOUR FOAM TRAYS

		MODM.SL1	MODM.S1A	MODM.HLA
		SL.161	S.161	-
		6	6	6
Type		Std	Std	Long
 mm	8	•	•	3/8"+1/2"
	9			
	10	•	•	
	11	•	•	
	12	•	•	
	13	•	•	
	14	•	•	
	15	•	•	
	16	•	•	
	17	•	•	
	18	•	•	
	19	•	•	
	20			
	21	•	•	
	22	•	•	
	23	•	•	
	24	•	•	
	27	•	•	
	28			
	29			
30	•	•		
32	•	•		
34				
Long-reach sockets 1/2"	S.12HLA			•
	S.13HLA			•
	S.14HLA			•
	S.15HLA			•
	S.16HLA			•
	S.17HLA			•
	S.18HLA			•
S.19HLA			•	
Long-reach sockets 3/8"	J.7HLA			•
	J.8HLA			•
	J.9HLA			•
	J.10HLA			•
	J.11HLA			•
	S.210	•	•	
	S.215	•	•	
	S.240A	•	•	
	S.120A	•	•	
		PM.S1A	PM.S1A	PM.MODHLA
		420 x 190 x 55 mm		
		3,40 Kg	3,45 Kg	

MODM.SL1



MODM.S1A

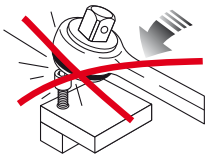
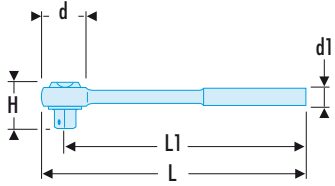


MODM.HLA



Ratchets 1/2"

1/2" maintenance free pear head ratchet

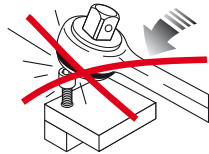
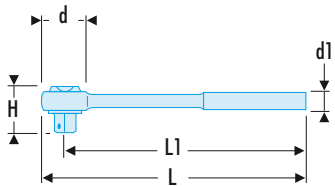


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Dust proof, maintenance free mechanism.
- 72 teeth mechanism for 5° increments.
- Drive direction switch allows easy reversal even with gloved or greasy hands.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse
- Ultra-compact head.
- Hook for hanging when working at height.
- Ergonomic comfort grip handle design resistant to workshop chemicals and solvents.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SL.161	37	32	37	262	245	446

1/2" fast action twist handle ratchet

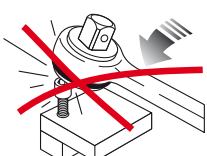
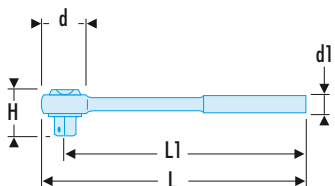


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Rotating handle jack: work twice as fast in confined spaces.
- 6° increments for final tightening.
- Socket safety locking = no sockets lost in your machines.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.360	45	37	41	251	251	570

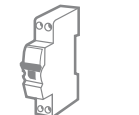
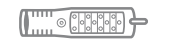
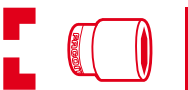
1/2" palm control ratchet



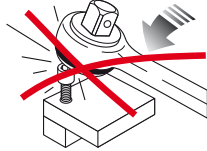
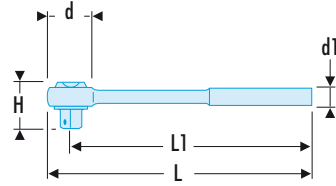
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.161	39	31	43	250	234	500



Standard 1/2" ratchet

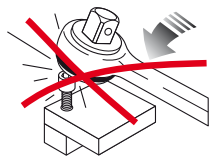
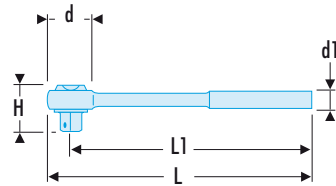


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Reversing by rotating cap.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.151	39	30	40	250	255	480

1/2" locking ratchet

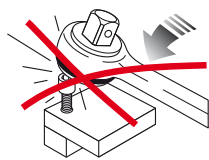
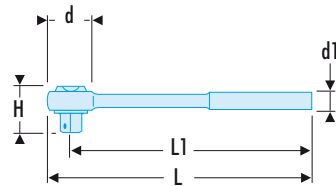


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Socket safety locking = no sockets lost in your machines.

➤	d [mm]	d1 [mm]	H [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
S.171	39	31	44	250	234	510

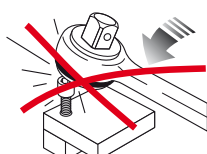
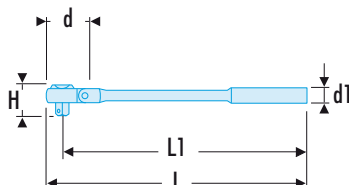
Long-reach 1/2" ratchet



- 72 teeth mechanism for 5° increments.
- Reversing by rotating cap.
- Length: 400 mm (applies more torque and reduces effort).

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.154	40	30	40	404	38	780

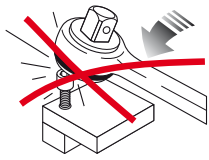
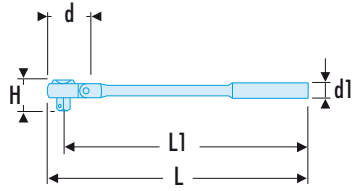
Hinged 1/2" ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Stiffened joint to maintain the position even with an extension and the socket engaged.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.143A	38	31	42	265	247	598

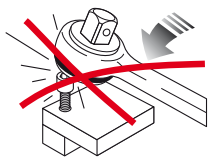
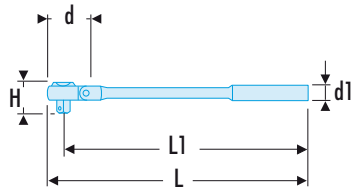
Long-reach 1/2" hinged ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Extra-long handle to apply more torque without effort.
- Stiffened joint to maintain the position even with an extension and the socket engaged.

🔧	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.153A	38	31	43	400	381	755

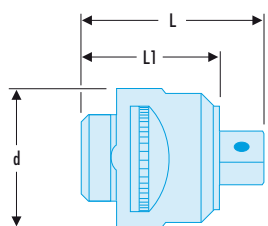
Long hinged metal grip 1/2" ratchet



- 72 teeth mechanism for 5° increments.
- Palm control system - allows the operator to press down on the head avoiding risk of accidental reverse.
- Ring reversing.
- Extra-long handle to apply more torque without effort.
- Stiffened joint to maintain the position even with an extension and the socket engaged.
- Full metal grip.

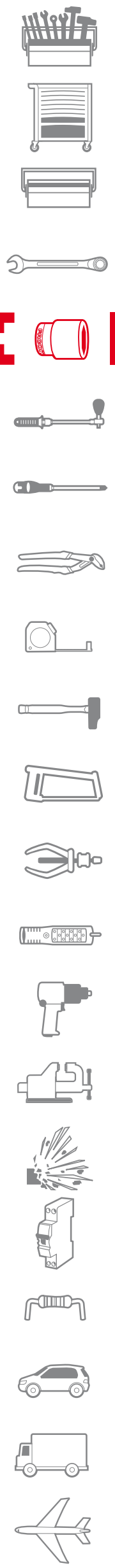
🔧	d [mm]	d1 [mm]	H1 [mm]	L [mm]	ΔΔ [g]
S.158A	42	20		435	940

1/2" offset ratchet






- Female square drive bit 1/2".
- Male square drive bit 1/2".
- Increment: 5°.
- Finish: bright chrome with phosphate-hardened square drive.

🔧	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.156	39	59	39	230

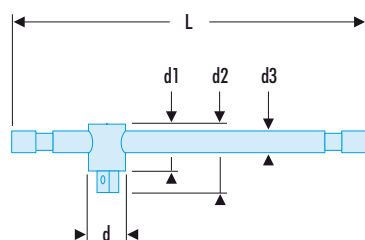


MAINTENANCE OF 1/2" RATCHETS

	S.171	S.161	S.151	S.154	S.143A	S.153A	S.158A	S.156
Caps								
 S.161C		•			•	•	•	
S.151C			•	•				
S.156C								•
Spare part kit								
 S.161RN		•			•	•	•	
S.151RN			•	•				•
Rotors								
 S.151R		•	•	•	•	•	•	•

Accessories 1/2"

1/2" drive sliding tee

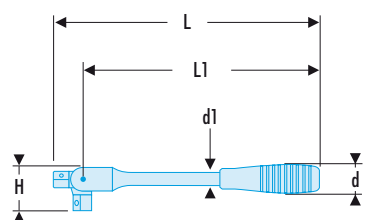


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction-head allows bar to form a T or L-handle.
- Finish: bright chrome.

	d [mm]	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	ΔΔ [g]
S.120A	24	29	45	14	275	408

1/2" drive hinged handle

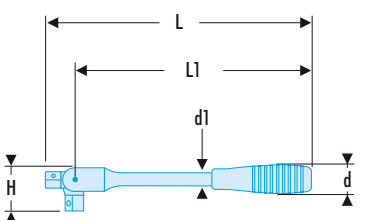


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.140A	31	14	44	246	214,5	425

1/2" long drive hinged handle

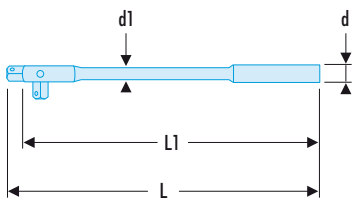


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Finish: bright chrome.

	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.141A	31	14	41	381	349,5	595

1/2" drive metal-grip hinged handle

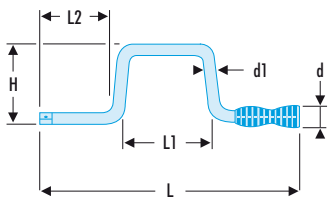


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Stiffened joint.
- Metal handle with knurled handle.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.145	20	15	410	392	740

1/2" drive speed brace

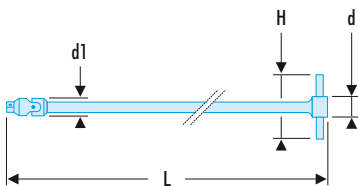


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Significant time-savings whenever space allows.
- PVC rotating handle.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [g]
S.110	29	12	115	402	130	130	510

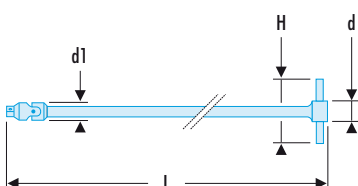
1/2" drive tee with universal joint



- Universal joint for high torques.
- Finish: bright chrome.

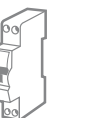
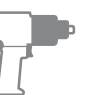
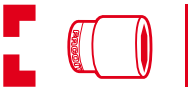
➤	d [mm]	d1 [mm]	H [mm]	L [mm]	ΔΔ [g]
S.229A	18	24	180	495	550

1/2" extra-long drive tee with universal joint

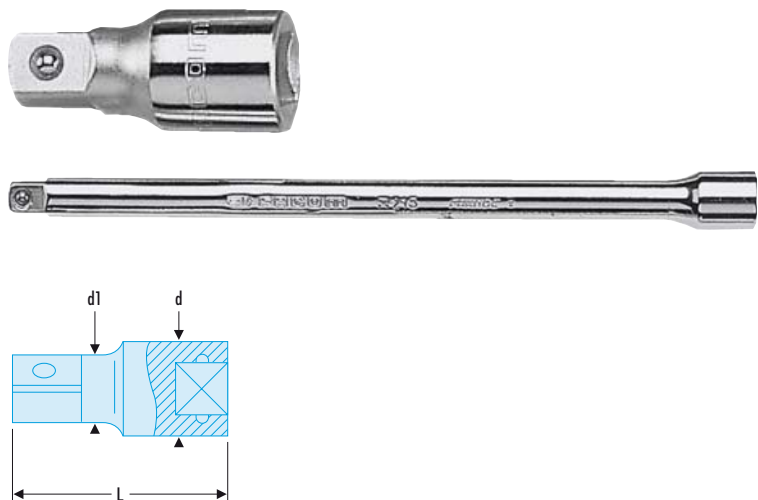


- Extended reach of tee-handle is ideal for particularly deep recesses.
- Finish: bright chrome.

➤	d [mm]	d1 [mm]	H [mm]	L [mm]	ΔΔ [kg]
S.228	24	25	240	700	1,20



■ S - 1/2" drive extensions

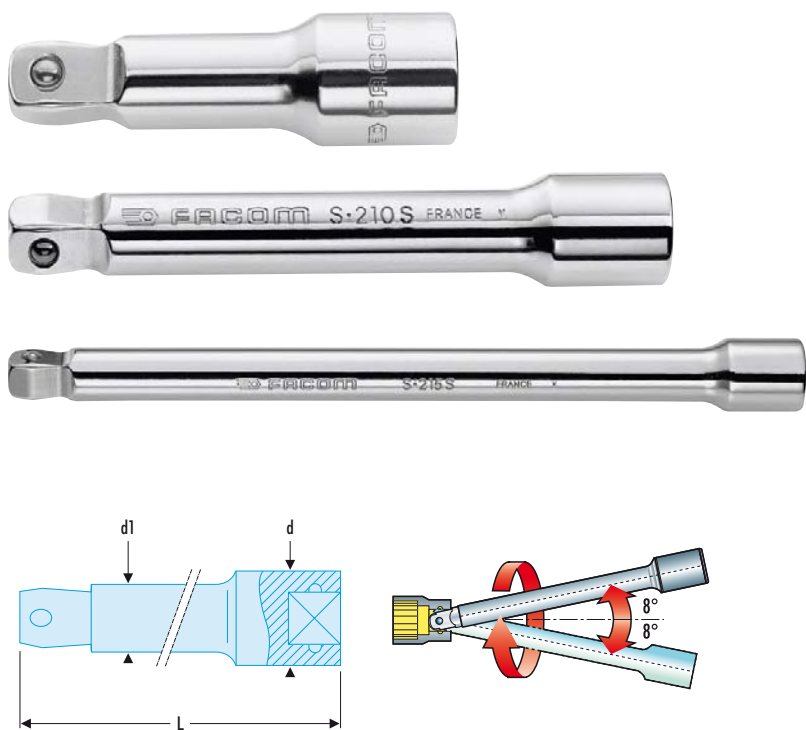


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

• Finish: bright chrome.

☞	Square ["]	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
S.206	1/2	23	16,5	52,5	90
S.208	1/2	23	16,5	75	130
S.210	1/2	23	16,5	130	225
S.215	1/2	23	16,5	250	420
S.217	1/2	23	16,5	500	840

■ S.S - 1/2" wobble drive extensions

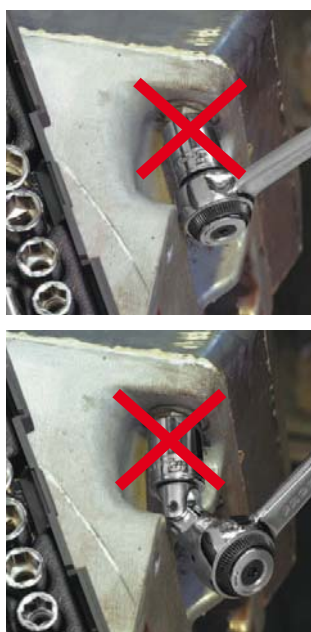
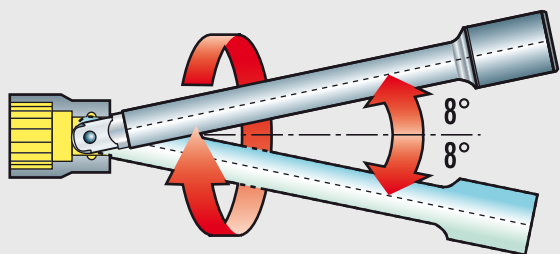


- Square drive rounded profile gives 8° working angle.
- Useful where access is limited.
- Finish: bright chrome.

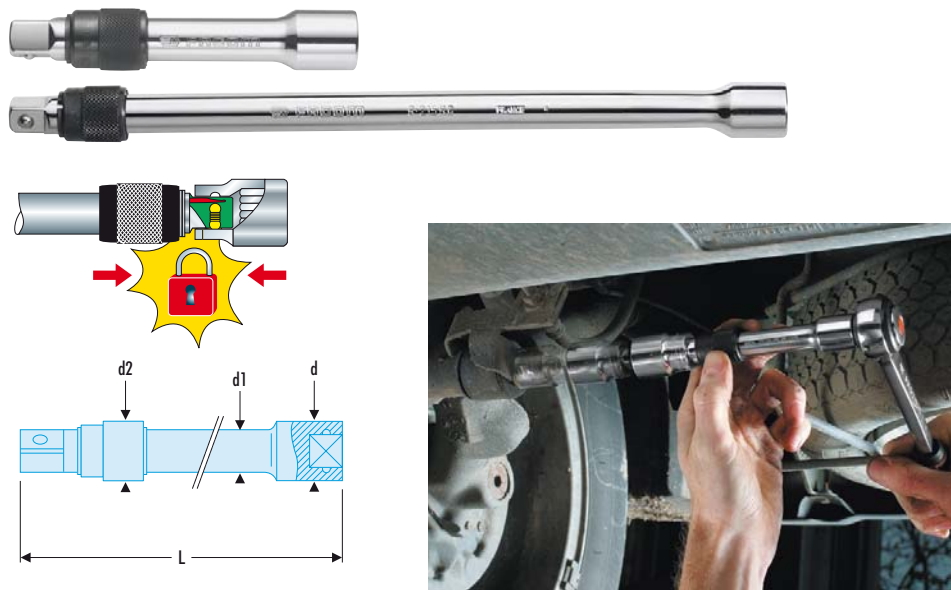
☞	Square ["]	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
S.208S	1/2	23	16,5	75	130
S.210S	1/2	23	16,5	130	225
S.215S	1/2	23	16,5	250	420

WOBBLE EXTENSION

Hard to access with a socket or universal joint? USE A WOBBLE EXTENSION !



S.RC - 1/2" drive locking extensions

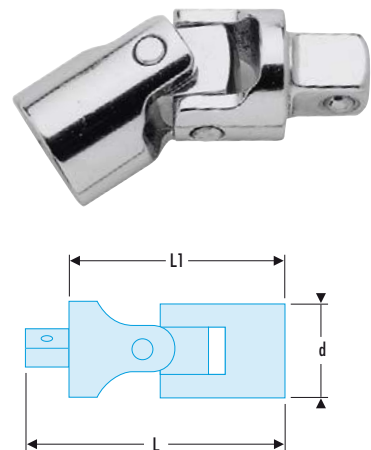


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Total safety as lock system prevents socket loss.
- Safety and instant release, by retracting knurled ring, for total user confidence.
- Positive locking for use with sockets with internal ball notch.
- Finish: bright chrome with phosphate-hardened ring.

☞	Square ["]	d [mm]	d1 [mm]	d2 [mm]	E [mm]	L [mm]	ΔΔ [g]
S.210RC	1/2	23	16,5	23	16,5	130	250
S.215RC	1/2	23	16,5	23	16,5	250	450
S.217RC	1/2	23	16,5	23	16,5	500	860

1/2" universal joint

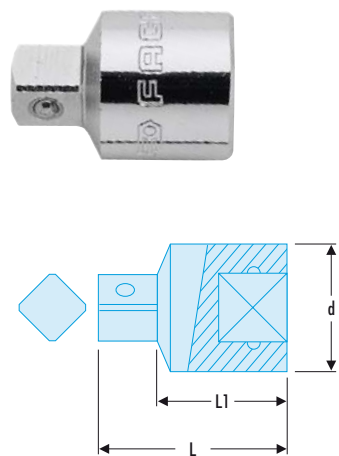


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Spring-stiffened joint.
- Stays in position when reaching for fasteners.
- Significant time savings.
- Finish: bright chrome.

☞	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.240A	23	66	51	150

1/2" to 3/8" coupler

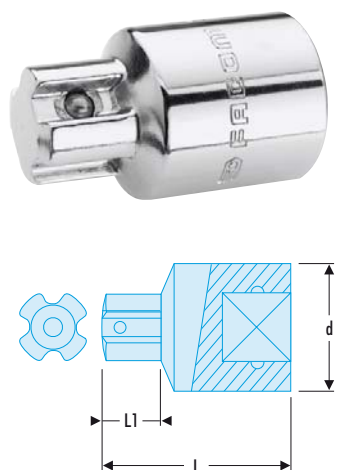


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Double 3/8" coupler
- Max torque: 212 N.m.
- Finish: bright chrome.

☞	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.230	23	33,5	23	55

1/2" to CDX® coupler



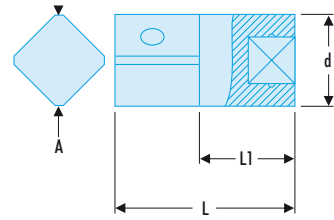
NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- 1/2" female to CDX® male square drive.
- Double "CDX®" coupler.
- Finish: bright chrome.

☞	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.231	22	37	12	65



1/2" to 3/4" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- 1/2" female to 3/4" male square drive with plunger.
- For adapting sockets and accessories 3/4".
- Male square drive with plunger for positive locking of sockets and accessories.
- Finish: satin chrome.

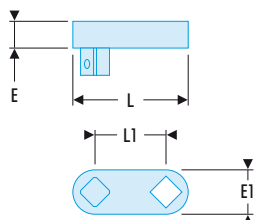
Part	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.232B	25	49	26	135

D.169 Set of 3 couplers



- Allows use of square drivers smaller than socket drive sizes:
 - 1/4" square drive + D.169RJ --> 3/8" socket.
 - 3/8" square drive + D.169JS --> 1/2" socket.
 - 1/2" square drive --> 3/4" socket.
 - Compactness means that fewer tools are needed for in situ maintenance operations.
 - Magnetic retainer and locking system (JS and SK).
 - Knurl allows hand tightening where access is difficult.
- Weight: 96 g.

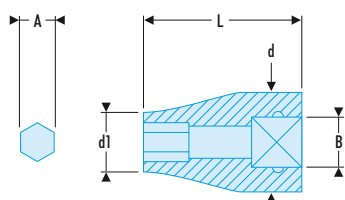
1/2" drive offset adaptor



- 1/2" female to 1/2" male square drive.
- Offset centrelines for enhanced accessibility.
- Finish: bright chrome.
- S.236: for 5/16 bits.
- S.237: for 1/2 bits.

Part	E [mm]	E1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.234	15	25	65	40	165

S - 1/2" drive spring-clip bit holders



NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124,

- S.236: for 5/16 bits.
- S.237: for 1/2 bits.
- Finish: bright chrome.

Part	A ["]	Vierkant ["]	d [mm]	d1 [mm]	L [mm]	ΔΔ [g]
S.236	5/16	1/2	23,0	14	36	54
S.237	1/2	1/2	23	20,5	44	70

1/2" drive lock-ring bit holder



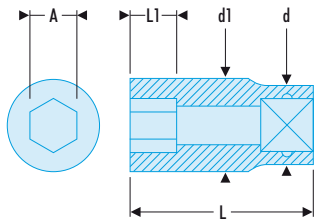
NF ISO 2725-1, NF ISO 1173, ISO 2725-1, ISO 1173, DIN 3124,

- Bit lock.
- Square drive has side-hole for ball or plunger lock.

Part	A ["]	Square ["]	L [mm]	ΔΔ [g]
EFS	1/4	1/2	50	88

Sockets 1/2"

■ S.H - 1/2" metric 6-point sockets

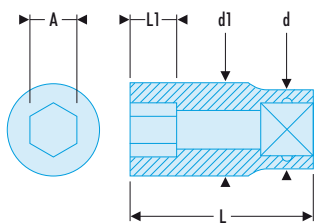


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

➤	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.8H	8	6	22,8	13,1	36	6,5	48
S.9H	9	6	22,8	13,8	36	6,5	48
S.10H	10	6	22,8	15,3	36	7,8	48
S.11H	11	6	22,8	16,5	36	9,0	51
S.12H	12	6	22,8	17,8	36	9,5	52
S.13H	13	6	22,8	18,9	36	10,4	55
S.14H	14	6	22,8	20,2	36	10,5	57
S.15H	15	6	22,8	21,4	36	12,0	60
S.16H	16	6	21,6	22,6	36	12,0	57
S.17H	17	6	23,1	24,1	36	13,0	61
S.18H	18	6	23,4	25,5	36	13,0	68
S.19H	19	6	24,6	26,6	36	14,0	69
S.20H	20	6	25,4	27,4	36	14,0	71
S.21H	21	6	25,1	29,1	38	16,0	93
S.22H	22	6	26,4	30,4	38	16,5	101
S.23H	23	6	27,6	31,6	38	16,5	122
S.24H	24	6	28,7	32,7	38	16,5	130
S.25H	25	6	27,7	34,1	38	16,5	139
S.26H	26	6	29,0	35,4	38	16,5	149
S.27H	27	6	29,2	36,6	44	19,0	164
S.28H	28	6	30,5	37,9	44	20,0	175
S.29H	29	6	31,3	38,7	44	20,0	179
S.30H	30	6	33,0	40,4	44	20,0	201
S.31H	31	6	34,2	41,6	44	20,0	205
S.32H	32	6	35,1	42,6	44	20,0	215
S.34H	34	6	37,5	44,9	44	20,0	240

■ S.H - 1/2" inch 6-point sockets



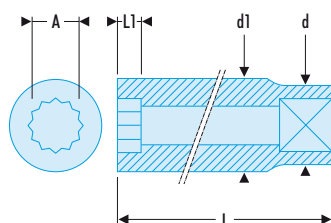
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.

➤	A ["]	⌀ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.3/8H	3/8	6	22,8	14,7	36	7,8	48
S.7/16H	7/16	6	22,8	16,5	36	9,0	51
S.1/2H	1/2	6	22,8	18,9	36	10,4	55
S.9/16H	9/16	6	22,8	20,2	36	10,5	58
S.19/32H	19/32	6	22,8	21,4	36	12,0	60
S.5/8H	5/8	6	21,6	22,6	36	12,0	65
S.21/32H	21/32	6	23,1	24,1	36	13,0	65
S.11/16H	11/16	6	22,6	24,6	36	13,0	71
S.3/4H	3/4	6	25,0	27,0	36	14,0	68
S.25/32H	25/32	6	25,9	27,9	36	14,0	72
S.13/16H	13/16	6	24,6	28,6	38	16,0	96
S.7/8H	7/8	6	26,4	30,4	38	16,5	99
S.15/16H	15/16	6	28,7	32,7	38	16,5	132
S.31/32H	31/32	6	27,7	34,1	38	16,5	142
S.1"H	1	6	28,3	34,7	38	16,5	152
S.1"1/16H	1 1/16	6	29,2	36,6	44	19,0	164
S.1"1/8H	1 1/8	6	31,3	38,7	44	20,0	182
S.1"3/16H	1 3/16	6	33,0	40,4	44	20,0	201
S.1"1/4H	1 1/4	6	35,1	42,5	44	20,0	229



■ S - 1/2" metric 12-point sockets

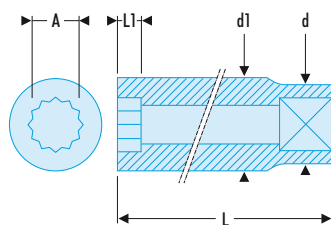


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Supplied on metal rack. Ref S.40E (8 --> 16 mm) and Ref S.41E (17 --> 24 mm).

➤	A [mm]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.8	8	12	22,8	13,1	36	6,5	48
S.9	9	12	22,8	13,8	36	6,5	48
S.10	10	12	22,8	15,3	36	7,8	48
S.11	11	12	22,8	16,5	36	9,0	51
S.12	12	12	22,8	17,8	36	9,5	52
S.13	13	12	22,8	18,9	36	10,4	55
S.14	14	12	22,8	20,2	36	10,5	57
S.15	15	12	22,8	21,4	36	12,0	60
S.16	16	12	21,6	22,6	36	12,0	57
S.17	17	12	23,1	24,1	36	13,0	61
S.18	18	12	23,4	25,4	36	13,0	68
S.19	19	12	24,6	26,6	36	14,0	69
S.20	20	12	25,4	27,4	36	14,0	71
S.21	21	12	25,1	29,1	38	16,0	93
S.22	22	12	26,4	30,4	38	16,5	101
S.23	23	12	27,6	31,6	38	16,5	122
S.24	24	12	28,7	32,7	38	16,5	130
S.25	25	12	27,7	34,1	38	16,5	128
S.26	26	12	29,0	35,4	38	16,5	138
S.27	27	12	29,2	36,6	44	19,0	142
S.28	28	12	30,5	37,9	44	20,0	163
S.29	29	12	31,3	38,7	44	20,0	167
S.30	30	12	33,0	40,4	44	20,0	185
S.31	31	12	34,2	41,6	44	20,0	189
S.32	32	12	35,1	42,5	44	20,0	198
S.34	34	12	37,5	44,9	44	20,0	223

■ S - 1/2" inch 12-point sockets

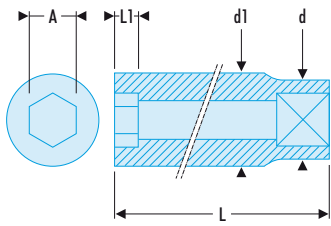


ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Finish: bright chrome.
- Available as rack set Ref S.40U (3/8" --> 21/32") and Ref S.41U (11/16" --> 1").

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.3/8	3/8	12	22,8	14,7	36	7,8	48
S.7/16	7/16	12	22,8	16,5	36	9,0	51
S.1/2	1/2	12	22,8	18,9	36	10,4	55
S.9/16	9/16	12	22,8	20,2	36	10,5	58
S.19/32	19/32	12	22,8	21,4	36	12,0	60
S.5/8	5/8	12	21,6	22,6	36	12,0	65
S.21/32	21/32	12	23,1	24,1	36	13,0	65
S.11/16	11/16	12	22,6	24,6	36	13,0	71
S.3/4	3/4	12	25,0	27,0	36	14,0	68
S.25/32	25/32	12	25,9	27,9	36	14,0	72
S.13/16	13/16	12	24,6	28,6	38	16,0	96
S.7/8	7/8	12	26,4	30,4	38	16,5	99
S.15/16	15/16	12	28,7	32,7	38	16,5	132
S.31/32	31/32	12	27,7	34,1	38	16,5	131
S.1'	1	12	28,3	34,7	38	16,5	141
S.1'1/16	1 1/16	12	29,2	36,6	44	19,0	147
S.1'1/8	1 1/8	12	31,3	38,7	44	20,0	170
S.1'3/16	1 3/16	12	33,0	40,4	44	20,0	185
S.1'1/4	1 1/4	12	35,1	42,5	44	20,0	201

S.HLA - 1/2" long-reach metric 6-point sockets

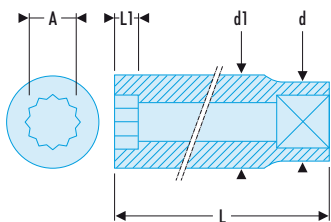


NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

➤	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.12HLA	12	6	21	17,8	77	12	105
S.13HLA	13	6	21,8	19,0	77	12	115
S.14HLA	14	6	21,8	20,3	77	15	120
S.15HLA	15	6	21,8	21,5	77	15	125
S.16HLA	16	6	22,0	22,8	77	15	128
S.17HLA	17	6	23,0	24,0	77	15	140
S.18HLA	18	6	24,0	25,0	77	18	160
S.19HLA	19	6	25,0	26,5	77	18	160
S.21HLA	21	6	27,0	29,0	77	18	200
S.22HLA	22	6	28,0	30,0	77	21	215
S.23HLA	23	6	29,0	31,5	77	21	232
S.24HLA	24	6	30,0	32,8	77	24	255
S.26HLA	26	6	32,0	35,0	77	24	280
S.27HLA	27	6	33,0	36,5	77	27	310
S.28HLA	28	6	34,0	37,8	77	27	330
S.29HLA	29	6	35,0	39,0	77	27	355
S.30HLA	30	6	36,0	40,0	77	30	355
S.32HLA	32	6	38,0	42,8	77	33	408

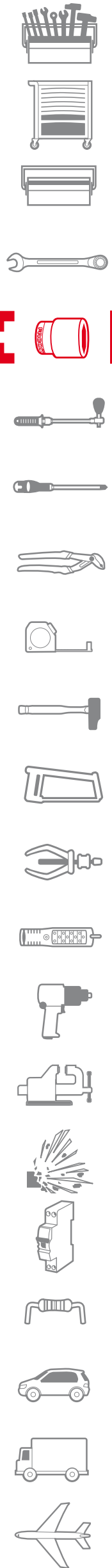
S.LA - 1/2" long-reach metric 12-point sockets



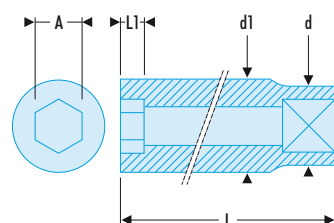
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

➤	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.12LA	12	12	21,0	17,8	77	12	105
S.13LA	13	12	21,8	19,0	77	12	115
S.14LA	14	12	21,8	20,3	77	15	125
S.15LA	15	12	21,8	21,5	77	15	125
S.16LA	16	12	22,0	22,8	77	15	135
S.17LA	17	12	23,0	24,0	77	15	145
S.18LA	18	12	24,0	25,0	77	18	160
S.19LA	19	12	25,0	26,5	77	18	180
S.21LA	21	12	27,0	29,0	77	18	210
S.22LA	22	12	28,0	30,0	77	21	215
S.23LA	23	12	29,0	31,5	77	21	240
S.24LA	24	12	30,0	32,8	77	24	255
S.26LA	26	12	32,0	35,0	77	24	280
S.27LA	27	12	33,0	36,5	77	27	315
S.28LA	28	12	34,0	37,8	77	27	340
S.29LA	29	12	35,0	39,0	77	27	365
S.30LA	30	12	36,0	40,0	77	30	365
S.32LA	32	12	36,0	42,8	77	33	415



■ S.LA - 1/2" inch 12-point sockets



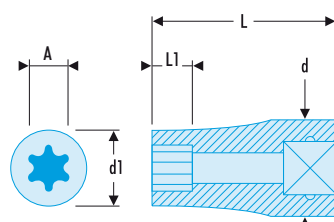
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Long-reach sockets for long recess or thread access.
- Finish: bright chrome.

➤	A ["]	⚙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
S.1/2LA	1/2	12	22,3	19,0	82,2	8,1	135
S.9/16LA	9/16	12	22,3	20,6	82,2	9,6	138
S.5/8LA	5/8	12	22,3	22,3	82,2	10,9	150
S.11/16LA	11/16	12	24,4	24,4	82,2	10,9	160
S.3/4LA	3/4	12	26,9	26,9	82,2	12,4	165
S.13/16LA	13/16	12	28,7	28,7	82,2	12,9	175
S.7/8LA	7/8	12	30,2	30,2	82,2	14,0	200
S.15/16LA	15/16	12	31,7	31,7	82,2	15,0	225
S.1'LA	1	12	33,3	33,3	82,2	15,2	255
S.1'1/16LA	1 1/16	12	36,5	36,5	82,2	16,0	320
S.1'1/8LA	1 1/8	12	38,1	38,1	82,2	16,7	350
S.1'1/4LA	1 1/4	12	42,9	42,9	82,2	16,7	430

Torx® sockets 1/2"

■ STX - 1/2" Torx® sockets

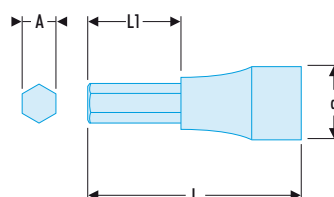


- For Torx® fasteners.
- Finish: bright chrome.
- Available as rack set Ref STX.40 (E12 --> E20) and Ref RSX.J6 (E6 --> E16).

➤	A [mm]	Torx [No]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
STX.12	10,95	E12	21	15,0	37	8,0	47
STX.14	12,67	E14	21	16,3	37	8,8	47
STX.16	14,70	E16	22	18,8	37	9,6	57
STX.18	16,38	E18	22	20,4	37	11,1	57
STX.20	18,16	E20	22	22,9	37	12,7	63
STX.24	21,84	E24	22	26,5	37	16,1	97

Screwdriver sockets 1/2"

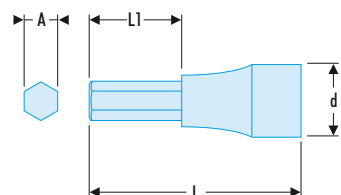
■ STM - 1/2" drive metric hexagon bit sockets



- Standard length series.
- For hexagon socket heads.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.
- Available in case set (Ref STM.J9).

➤	A [mm]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
STM.4	4	22,8	60	24	59
STM.5	5	22,8	60	24	60
STM.6	6	22,8	60	24	62
STM.7	7	22,8	60	24	64
STM.8	8	22,8	60	24	65
STM.9	9	22,8	60	24	70
STM.10	10	22,8	60	24	80
STM.12	12	23,1	60	24	102
STM.14	14	23,1	60	24	127
STM.17	17	23,4	60	24	152
STM.19	19	23,4	60	24	162

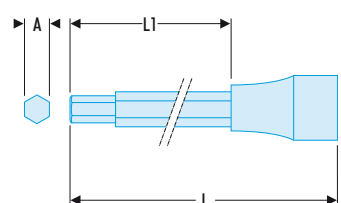
ST - 1/2" drive inch hexagon bit sockets



- Standard length series.
- For hexagon socket heads.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

➤	A ["]	d [mm]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
ST.1/4	1/4	23	EH.201/4	54	17	67
ST.5/16	5/16	23	EH.205/16	54	17	67
ST.3/8	3/8	23	EH.203/8	54	17	74
ST.7/16	7/16	23	ENH.307/16	70	31	110
ST.1/2	1/2	23	ENH.301/2	70	31	117
ST.9/16	9/16	23	ENH.309/16	70	31	125
ST.5/8	5/8	23	ENH.305/8	70	31	143
ST.3/4	3/4	23	ENH.303/4	70	31	165

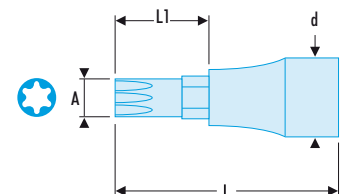
SHP.LA - 1/2" drive long and extra-long reach metric hexagon bit sockets



- Long and extra long reach series
- For hexagon socket heads.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

➤	A [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SHP.6LA	6	100	64	77
SHP.7LA	7	100	64	78
SHP.8LA	8	100	64	79
SHP.10LA	10	140	104	132
SHP.12LA	12	100	64	144
SHP.5ELA	5	180	144	112
SHP.6EL1A	6	140	104	93
SHP.6EL2A	6	220	184	127

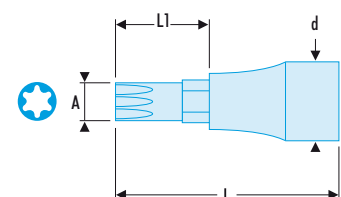
SXM - 1/2" drive Torx® bit sockets



- Standard length series.
- For Torx® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.
- Also available in case set (Ref AMEX.3).

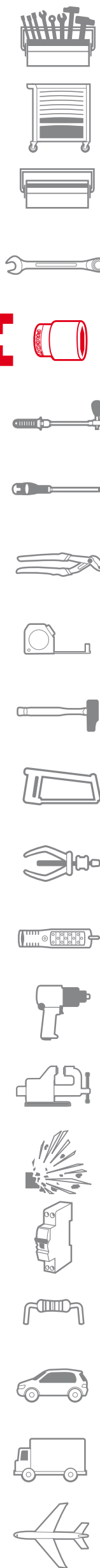
➤	A [mm]	Torx [No]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SXM.20	3,84	T20	22,8	60	24	58
SXM.25	4,40	T25	22,8	60	24	58
SXM.27	4,96	T27	22,8	60	24	59
SXM.30	5,49	T30	22,8	60	24	59
SXM.40	6,60	T40	22,8	60	24	62
SXM.45	7,77	T45	22,8	60	24	63
SXM.50	8,79	T50	22,8	60	24	74
SXM.55	11,17	T55	22,8	60	24	96
SXM.60	13,17	T60	23,1	60	24	117

SX.LA - 1/2" drive long-reach Torx® bit sockets

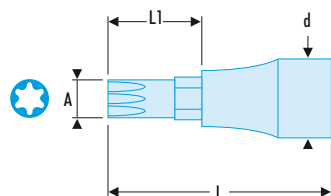


- Long-reach series.
- For Torx® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

➤	A [mm]	Torx [No]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SX.40LA	6,60	T40	22,8	120	84	95
SX.45LA	7,77	T45	22,8	120	84	95
SX.55LA	11,17	T55	22,8	140	104	220
SX.70LA	15,49	T70	23,1	140	104	280



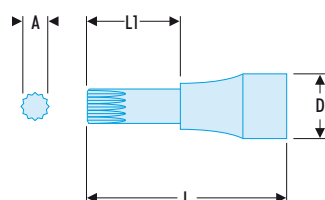
▣ D.B - Long-reach spline driver sockets



- Standard length series.
- For Torx® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

⇒	A [mm]	d [mm]	L1 [mm]	ΔΔ [g]
D.34B7	7	7	15	60
D.34B7L	7	7	63	100
D.34B9L	9	9	63	100
D.34B10	10	10	15	60
D.34B12L	12	12	63	100
D.34B14L	14	14	63	100
D.34B16L	16	16	63	100

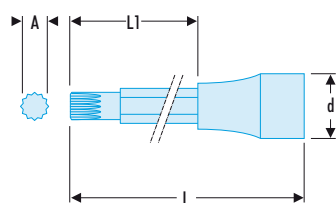
▣ SV.B - 1/2" drive XZN® spline bit sockets



- Standard length series.
- For XZN® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

⇒	A [mm]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SV.6B	M6	22,8	60	24	60
SV.8B	M8	22,8	60	24	60
SV.10B	M10	22,8	60	24	70
SV.12B	M12	22,8	60	24	80
SV.14B	M14	22,8	60	24	100
SV.16B	M16	23,1	60	24	110

▣ SV.LB - 1/2" drive long-reach XZN® spline bit sockets



- Long and extra long reach series
- For XZN® female drive fasteners.
- Non-removable bit.
- Finish: bright chrome with phosphate-hardened tip.

⇒	A [mm]	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
SV.6LB	M6	22,8	100	64	80
SV.8LB	M8	22,8	100	64	80
SV.10LB	M10	22,8	100	64	90
SV.10ELB	M10	22,8	120	120	110
SV.12LB	M12	22,8	100	64	120
SV.12ELB	M12	22,8	140	104	150
SV.14LB	M14	22,8	100	64	150

CREATE YOUR OWN BIT SOCKETS

Screw bits



- Series 2 \square 5/16"
- Series 3 \square 1/2"

➔ See Section 7

Impact bit holder \square 1/2"



▣ **S.236**
 \square 5/16"
7.94 mm





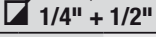










▣ **S.237**
 \square 1/2"
12.70 mm

➔ See p. 296




MULTI-DRIVE SETS

1/4" + 1/2"

1/4" & 1/2" SOCKET SETS IN PLASTIC CASES

  		RS.100	RSL.100	RS.360
		R.161 + S.161	RL.161 + SL.161	R.360 + SL.161
		6	6	6
		STANDARD	STANDARD	STANDARD
 1/4"	R.5,5	•	•	•
	R.6	•	•	•
	R.7	•	•	•
	R.8	•	•	•
	R.9	•	•	•
	R.10	•	•	•
	R.11	•	•	•
 1/2"	R.12	•	•	•
	R.13	•	•	•
	S.10	•	•	•
	S.11	•	•	•
	S.12	•	•	•
	S.13	•	•	•
	S.14	•	•	•
S.15	•	•	•	
S.17	•	•	•	
S.19	•	•	•	
S.21	•	•	•	
S.24	•	•	•	
S.27	•	•	•	
   	R.210	•	•	•
	R.240A	•	•	•
	R.120A	•	•	•
	S.210	•	•	•
 	S.240A	•	•	•
 		BP.112		
		PL.404		
		389 x 164 x 66 mm		
		2,630 kg	2,590 kg	2,640 kg

1/4" & 1/2" SOCKET SETS IN METAL RACKS

  		RSX.J6
		STANDARD
Sockets 	E.6	1/4"
	E.8	1/4"
	E.10	1/4"
	E.12	1/2"
	E.14	1/2"
	E.16	1/2"
Rack 		CKS.98 0,205 kg

RS.100 ▼



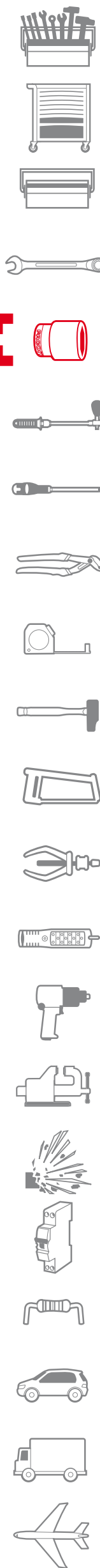
RSL.100 ▼



RS.360 ▼



RSX.J6 ▼



MULTI-DRIVE SETS

1/4" + 1/2"

			RS.440E	RS.430E	RSX.427P	RSX.19A		
			R.161 + S.161	R.151 + S.151	R.161 + S.161	-		
		Socket type	Standard	Standard	Standard	Standard		
			1/4" + 1/2"	1/4" + 1/2"	1/4" + 1/2"	1/4" + 1/2"		
	1/4"	R.5	•	•				
		R.5.5	•	•				
		R.6	•	•				
		R.7	•	•				
		R.8	•	•				
		R.9	•	•				
		R.10	•	•				
		R.11	•	•				
		R.12	•	•				
		R.13	•	•				
		R.14	•	•				
			1/2"	SH.10	•	•		
				SH.11	•	•		
				SH.12	•	•		
SH.13	•			•				
SH.14	•			•				
SH.15	•			•				
SH.16	•			•				
SH.17	•			•				
SH.18	•			•				
SH.19	•			•				
SH.21	•			•				
SH.22	•			•				
SH.24	•			•				
SH.27	•			•				
SH.30	•	•						
SH.32	•	•						
	EP	1	•					
		2	•					
		3	•					
	ED	1	•					
		2	•					
		3	•					
	ES	4,5						
		6,5						
		8						
		10						
	EH	3	•					
		4	•					
		5	•					
		6	•					
		7	•					
		8	•					
			EXR	10	•			•
				15	•			•
20	•					•		
25	•					•		
27	•					•		
30	•					•		
STX: 1/2" Torx®	STX.12 STX.14 STX.16 STX.18 STX.20				•	•		
					•	•		
					•	•		
					•	•		
					•	•		
SXM: 1/2" Screwdriver for Torx® screws	27 30 40 45 50				•	•		
					•	•		
					•	•		
					•	•		
					•	•		
RTX: 1/4" Torx®	RTX.4 RTX.5 RTX.6 RTX.7 RTX.8 RTX.10				•	•		
					•	•		
					•	•		
					•	•		
Torx® bits	8 10 15 20 25 27 40 45 50 55				•	•		
					•	•		
					•	•		
					•	•		
					•	•		
					•	•		
					•	•		
					•	•		
					•	•		
					•	•		
	R.209 R.210 R.240A R.120A R.235 R.236A S.210S S.210 S.215 S.240A S.236 AMZ.H		•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
			•	•				
	PL.714 BP.109		PL.112A BP.109	PL.220B BP.112	PL.393A BP.102			
		478 x 234 x 72 mm		389 x 164 x 66 mm	204 x 122 x 52 mm			
			3,92 kg	2,20 kg	0,62 kg			

RS.440E



RS.430E



RSX.427P









RSX.19A



MULTI-DRIVE SETS

1/2" + 3/4"

		SK.453N	SK.452N	SK.452U
		K.151B + S.151	K.151B + S.151	K.151B + S.152
		6	12	12
		STANDARD	STANDARD	STANDARD
 3/4"	K.22HB	•	•	
	K.24HB	•	•	
	K.27HB	•	•	
	K.30HB	•	•	
	K.32HB	•	•	
	K.34HB	•	•	
	K.36HB	•	•	
	K.41HB	•	•	
	K.46HB	•	•	
	K.50HB	•	•	
 1/2"	SH.8	•	•	
	SH.9	•	•	
	SH.10	•	•	
	SH.11	•	•	
	SH.12	•	•	
	SH.13	•	•	
	SH.14	•	•	
	SH.15	•	•	
	SH.16	•	•	
	SH.17	•	•	
	SH.18	•	•	
	SH.19	•	•	
	SH.21	•	•	
	SH.22	•	•	
	SH.23	•	•	
	SH.24	•	•	
SH.26	•	•		
SH.27	•	•		
SH.28	•	•		
SH.29	•	•		
SH.30	•	•		
SH.32	•	•		
 3/4"	K.1"1/16			•
	K.1"1/2			•
	K.1"1/4			•
	K.1"1/8			•
	K.1"13/16			•
	K.1"3/5			•
	K.1"5/8			•
	K.1"7/16			•
	K.2"			•
				•
 1/2"	S.1"			•
	S.1/2			•
	S.11/16			•
	S.1"1/16			•
	S.1"1/4			•
	S.1"1/8			•
	S.13/16			•
	S.1"3/16			•
	S.15/16			•
	S.19/32			•
	S.21/32			•
	S.25/32			•
	S.3/4			•
	S.3/8			•
	S.31/32			•
	S.5/8			•
S.7/16			•	
S.7/8			•	
S.9/16			•	
	K.120B	•	•	•
	K.210B	•	•	•
	K.215B	•	•	•
	S.210S			•
	S.210	•	•	•
	S.215	•	•	•
	S.240A	•	•	•
	S.236	•	•	•
	S.110	•	•	•
	S.120A	•	•	•
		PL.21		PL.22
		BT.6A		BT.6A
		468 x 190 x 160 mm		
		17,20 kg		16,2 kg

SK.453N



SK.452N





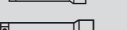

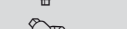

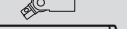
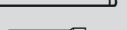








SK.452U



3/4" SOCKET SETS

METRIC DIMENSIONS

**FACOM, BY YOUR SIDE
IN HEAVY MAINTENANCE
WORK !**

		K.411	K.441A	K.442E	K.437E	K.436E	SK.453N		SK.452N	
		K.152	K.151B	K.151B	K.151B	K.151B	K.151B + S.151		K.151B + S.151	
		6	6	12	6	12	6	6	6	12
		K.HB	K.HB	K.B	K.HB	K.B	K.HB	S.H	K.B	S.
 mm	8									
	9									
	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19	•	•	•	•	•				
	21	•	•	•	•	•	3/4"	•	K.3/4"	•
	22	•	•	•	•	•	•	•	•	•
	23	•	•	•	•	•	•	•	•	•
	24	•	•	•	•	•	•	•	•	•
	26									
	27	•	•	•	•	•	•	•	•	•
	28									
29										
30	•	•	•	•	•	•	•	•	•	
32	•	•	•	•	•	•	•	•	•	
34	•	•	•	•	•	•	1/2"	•	1/2"	
36	•	•	•	•	•	•	•	•	•	
38										
41	•	•	•	•	•	•	•	•	•	
42										
46	•	•	•	•	•	•	•	•	•	
50	•	•	•	•	•	•	•	•	•	
54										
55	•	•	•	•	•					
	K.210B	•	•	•	•	•	•	•	•	
	K.215B	•	•	•	•	•	•	•	•	
	K.120B	•	•	•	•	•	•	•	•	
	K.240A		•	•						
	K.140A		•	•						
	K.125A		•	•						
	S.210						•		•	
	S.215						•		•	
	S.120A						•		•	
	S.240A						•		•	
	S.110						•		•	
	PL.438		C.K422CA + 2 x C.K422EA		PL.87A		P.21			
	BT.103G		BT.6A		BT.103G		BT.6A			
	643 x 230 x 111 mm		468 x 190 x 160 mm		643 x 230 x 111 mm		468 x 190 x 160 mm			
	15,20 kg		17,00 kg		15,50 kg		17,20 kg			

K.411



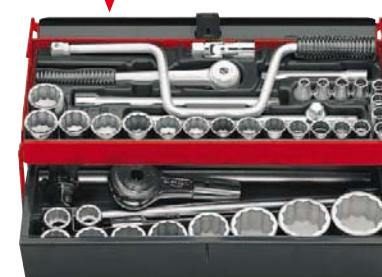
**K.437E
K.436E**



**K.441A
K.442E**



**SK.453N
SK.452N**



3/4" SOCKETS SETS

METRIC DIMENSIONS



FARMING EQUIPMENT MAINTENANCE



INDUSTRIAL MAINTENANCE



HGV MAINTENANCE

K.420N / K.421N



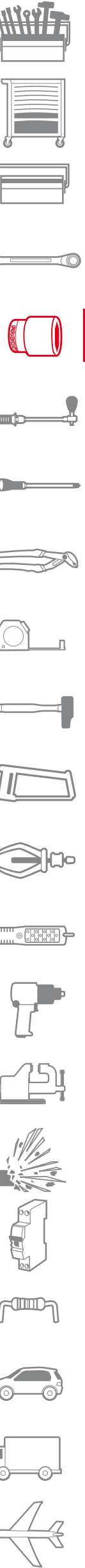
K.432E / K.433E



MOD.K2




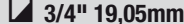







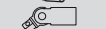

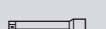
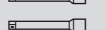









 		K.421N	K.420N	K.433E	K.432E	MOD.K2	MOD.K1	K.415E	K.405E
 		K.151B	K.151B	K.151B	K.151B	K.152	K.151B	K.151B	-
 		6	12	6	12	6	6	6	6
 		K.HB	K.B	K.HB	K.B	K.HB	K.HB	K.LA	K.LA
 mm	22	•	•					•	•
	23							•	•
	24	•	•					•	•
	26							•	•
	27	•	•					•	•
	29							•	•
	30	•		•	•			•	•
	32	•	•	•	•			•	•
	33			•	•			•	•
	34	•	•	•	•	•		•	•
	36	•	•	•	•	•	•	•	•
	38			•	•	•		•	•
41	•	•	•	•	•		•	•	
42			•	•	•		•	•	
46	•	•	•	•	•	•	•	•	
50	•	•	•	•	•	•	•	•	
54			•	•	•	•	•	•	
55			•	•	•	•	•	•	
 	K.210B	•	•	•	•	•	•	•	
	K.215B	•	•	•	•	•	•	•	
	K.120B	•	•	•	•		•	•	
	K.240A					•			
	K.140A								
K.125A									
K.230B									
 		PL.42 BT.103G		PL.40 BT.103G		PL.43	PL.60A	PL.43 BT.103G	PL.60A BT.111
		643 x 230 x 111 mm		643 x 230 x 111 mm				643 x 230 x 111 mm	396 x 224 x 82 mm
 		12,90 kg	12,90 kg	16,30 kg	16,30 kg	7,46 kg	8,29 kg	16,27 kg	9,30 kg



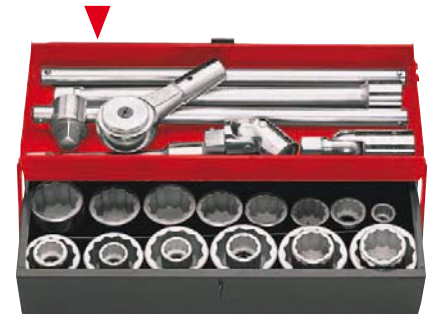
3/4" SOCKET SETS

INCH DIMENSIONS

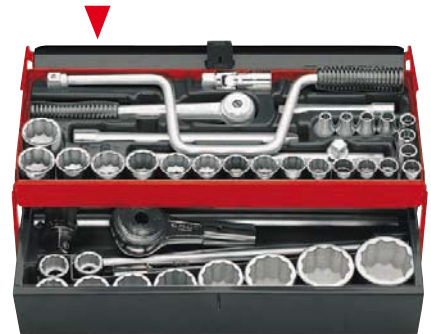
    3/4" 19,05mm		K.442U		SK.452U	
		K.151B		K.151B + S.151	
		 K.B		 K.B	
 mm	3/8				
	7/16				•
	1/2				•
	9/16				•
	19/32				•
	5/8				•
	21/32				•
	11/16				•
	3/4				•
	25/32				•
	13/16				•
	3/4	•			
	7/8	•			
	15/16	•			
	31/32				•
	1	•		3/4"	
	1"1/16	•		•	
	1"1/8	•		•	
	1"1/4	•		•	
	1"5/16	•			1/2"
	1"3/8	•		•	
	1"7/16	•		•	
	1"1/2	•		•	
	1"5/8	•		•	
	1"11/16	•			
	1"3/4	•			
	1"13/16	•		•	
	1"7/8	•			
2"	•		•		
2"1/8	•				
2"3/16	•				
2"1/4	•				
 K.210B	•		•		
 K.215B	•		•		
 K.120B	•		•		
 K.240A	•				
 K.140A	•				
 K.125A	•				
 S.210				•	
 S.215				•	
 S.120A				•	
 S.240A				•	
 S.110				•	
 -			PL.22		
 BT.6A			BT.6A		
 468 x 190 x 160 mm			468 x 190 x 160 mm		
 22,1 kg			16,2 kg		



K.442U



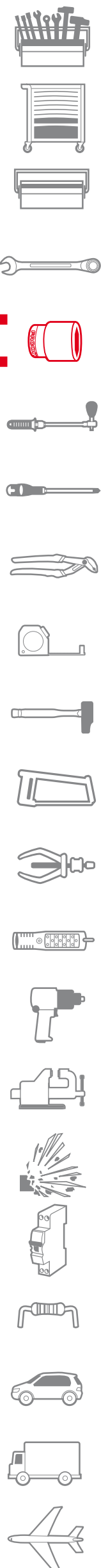
SK.452U



Ratchets 3/4"

K.152

COMPACT AND PRECISE RATCHET 3/4"



25% MORE COMPACT FOR CONFINED SPACES !

ERGONOMIC

- Ergonomic handle providing 2-handed grip for high torques.

PERFORMANCE

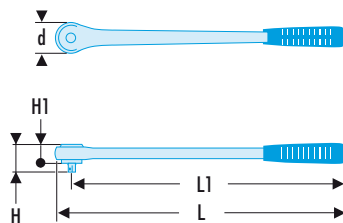
- Precise: 72 tooth mechanism, 5° manoeuvrable.
- Powerful and strong: 17 teeth in mesh during torquing.
- Monobloc ratchet: lighter and more manoeuvrable.
- Confined spaces: head 25% more compact than traditional ratchets.

SAFETY FIRST

- Plunger locks ratchet/sockets/accessories.



Compact and precise ratchet 3/4"



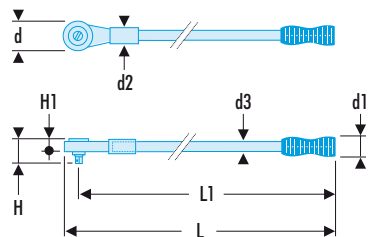
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Monobloc ratchet: lighter and more manoeuvrable.
- Compact head.
- Ergonomic handle providing 2-handed grip for high torques.
- Precise increment: 5°.
- 72-tooth mechanism.
- Plunger lock.
- Finish: satin chrome.

	d [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
K.152	62	56,5	32	505	474	1,67

"Truck" 3/4" range

3/4" drive ratchet with removable handle

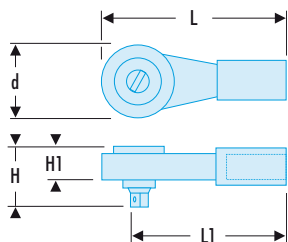


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Precise increment: 5°.
- 72-tooth mechanism.
- Plunger lock.
- Finish: satin chrome.

	d	d1	d2	d3	H	H1	L	L1	ΔΔ
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
K.154B	69	40	30	20	61	37	548	514	2,40

3/4" drive ratchet without handle

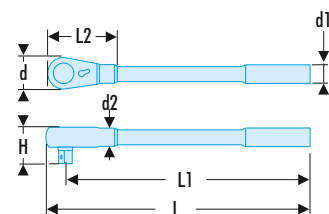


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Precise increment: 5°.
- 72-tooth mechanism.
- For use with bars K.125 or K.126 and handle K.154AM.
- Plunger lock.
- Finish: chromed.
- Plastic grip ratchet handle K.151B.

	d [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
K.151B	68	60,8	36,6	170	136	1,20

3/4" drive "heavy duty" ratchet







NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Suitable for outdoor working:
 - Sturdy mechanism protected against dirt.
 - Recessed reversing switch.
 - 9° increments.
 - 40 tooth mechanism.
 - Removable handle.
- Plunger lock.
- Finish: mat chrome.

	d [mm]	d1 [mm]	d2 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	ΔΔ [kg]
K.149	65,5	25	32	62	510	475	151	2,85

MAINTENANCE OF 3/4" RATCHETS

• Ratchet maintenance is straightforward: for continued serviceability, simply clean and replace worn parts periodically.

		K.150	K.150A	K.151	K.151A	K.151B	K.152	K.154A	K.154B	K.149
Caps										
	K.152C M.151C K.151BC			•	•	•	•	•	•	
Spare part kit										
	K.151RN K.152RN K.150RN	•	•				•	•	•	
Rotors										
	K.152R K.150R K.150AR K.151AR	•	•		•	•		•	•	
Repair kit										
	K.149RN									•

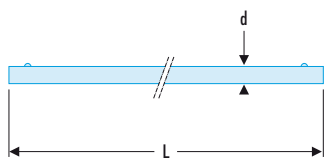
Accessories 3/4"

K.154AM 3/4" drive sliding tee



- Handle for 3/4" ratchets K.154B and K.151B.
- Plastic handle for enhanced comfort.

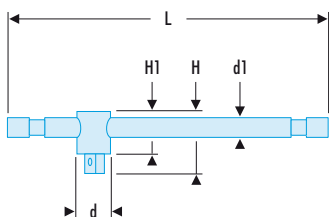
K.A - Bar for 3/4" ratchet



- For use as extension handles on ratchet K.151B, as well as on handles K.140A and K.200E.
- Finish: satin chrome.

	d [mm]	L [mm]	ΔΔ [kg]
K.125A	20	425	1,04
K.126A	20	500	1,22

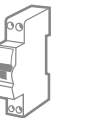
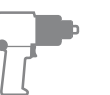
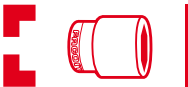
3/4" drive sliding tee



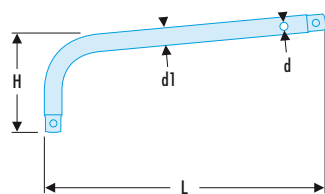
NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Ball-steadied head.
- T or L-handle.
- Finish: satin chrome.

	d [mm]	d1 [mm]	H [mm]	H1 [mm]	L [mm]	ΔΔ [kg]
K.120B	36	20	62	37	425	1,30



3/4" drive angle bar

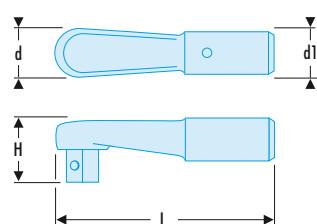


NF ISO 3315, ISO 3315, DIN 3122

- Takes 3/4" socket on either end:
- Short end for high torques.
- Long end for pre-tightening or in recess.
- Finish: satin chrome.

☞	d [mm]	d1 [mm]	H [mm]	L [mm]	ΔΔ [kg]
K.130A	8	25	85	540	2,30

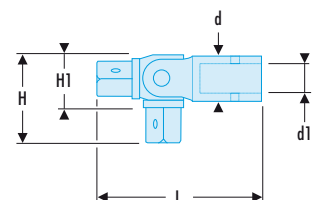
3/4" drive fixed adaptor



- For use with bars K.125 or K.126.
- For power loosening without damaging the ratchet.
- Finish: satin chrome.

☞	d [mm]	d1 [mm]	H [mm]	L [mm]	ΔΔ [g]
K.200E	35	30	40	152	630

3/4" drive hinged adaptor

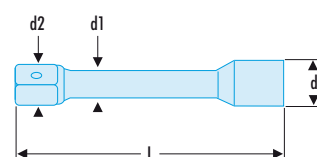


NF ISO 3315, ISO 3315, DIN 3122

- For use with bars K.125 or K.126.
- Fastener rotation from any angle over 180°.
- Joint 180°.
- Spring-steadied in any position.
- Finish: satin chrome.

☞	d [mm]	d1 [mm]	H [mm]	H1 [mm]	L [mm]	ΔΔ [g]
K.140A	40	20	70	46	125	760

K.B - 3/4" drive extensions

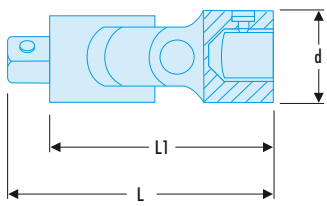


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Finish: satin chrome.

☞	d [mm]	d1 [mm]	d2 [mm]	L [mm]	ΔΔ [kg]
K.208B	36	25	25	100	0,410
K.210B	36	20	25	200	0,620
K.215B	36	20	25	400	1,130

3/4" universal joint

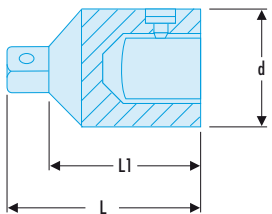


NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- Spring-stiffened joints.
- Significant time savings.
- Finish: satin chrome.

Ref	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.240A	40	105	82	550

3/4" to 1/2" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

- For adapting sockets and accessories 1/2".
- Interchangeable 1/2" male square ref. K.230B1.
- Max. torque 512 N.m.
- Finish: satin chrome, phosphate square.

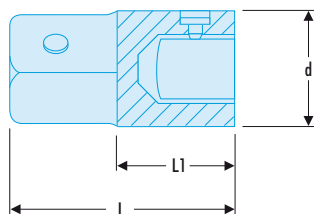
Ref	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.230B	36	58,5	43	250

K.230B1 Interchangeable 1/2" male drive



- Interchangeable 1/2" male drive for 3/4" to 1/2" coupler reference K.230B.
- Finish: satin chrome.

3/4" to 1" coupler



NF ISO 3316, ISO 3316, DIN 3123, ASME B107.10

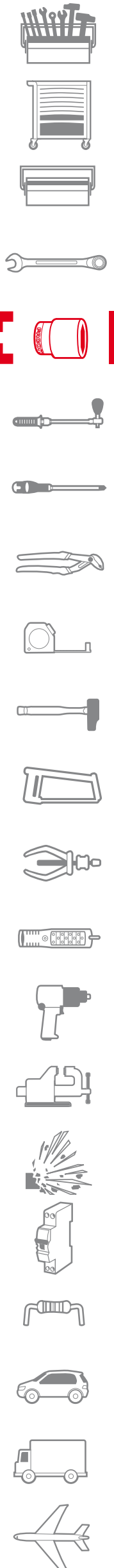
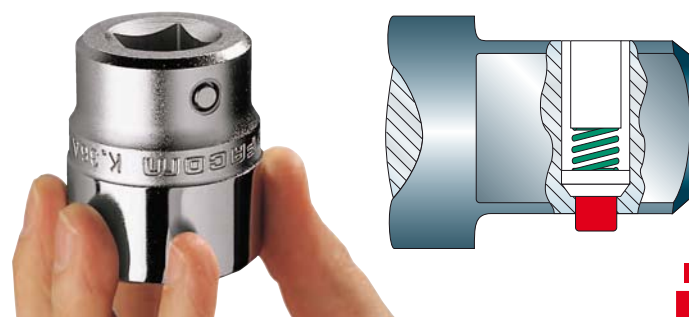
- For adapting sockets and accessories 1".
- Finish: satin chrome.

Ref	d [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.232A	36	67	39	340

LOCKING SOCKETS AND ACCESSORIES 3/4" - 1"

SAFETY AND COMFORT !

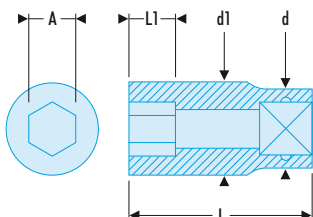
- Lock system prevents accidental socket loss during use.
- Quick release simply by pressing the plunger.
- Compatible with the standard ball-lock tools.



"Truck" 3/4" range

Sockets 3/4"

☐ K.HB 3/4" drive metric 6-point sockets



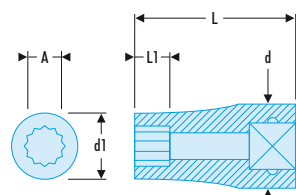
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

☞	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.19HB	19	6	36	30,1	51,0	14	207
K.21HB	21	6	36	32,0	51,0	14	208
K.22HB	22	6	36	33,4	51,0	14	221
K.23HB	23	6	36	36,0	52,5	14	244
K.24HB	24	6	36	36,0	52,5	16	237
K.26HB	26	6	36	38,9	52,5	16	231
K.27HB	27	6	36	39,7	52,5	18	232
K.28HB	28	6	36	41,0	52,5	18	239
K.29HB	29	6	36	42,0	52,5	18	245
K.30HB	30	6	36	43,2	59,0	20	282
K.32HB	32	6	36	45,9	59,0	22	301
K.33HB	33	6	36	48,1	59,0	22	330
K.34HB	34	6	36	48,4	59,0	24	322

☞	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.35HB	35	6	36	50,1	59,0	24	344
K.36HB	36	6	36	51,0	59,0	24	347
K.38HB	38	6	40	54,3	66,9	27	478
K.40HB	40	6	40	56,0	66,9	27	493
K.41HB	41	6	40	57,3	66,9	27	504
K.42HB	42	6	40	59,5	66,9	27	552
K.43HB	43	6	40	60,7	66,9	27	560
K.44HB	44	6	40	61,9	66,9	28	587
K.46HB	46	6	40	63,5	75,0	30	641
K.50HB	50	6	40	68,5	75,0	33	725
K.54HB	54	6	45	74,0	75,0	36	880
K.55HB	55	6	45	74,7	75,0	36	875

☐ K.B 3/4" drive metric 12-point sockets



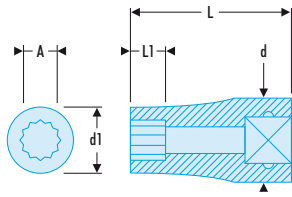
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

☞	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.19B	19	12	36	30,1	51,0	14	207
K.21B	21	12	36	32,0	51,0	14	208
K.22B	22	12	36	33,4	51,0	14	221
K.23B	23	12	36	36,0	52,5	14	244
K.24B	24	12	36	36,0	52,5	16	237
K.26B	26	12	36	38,9	52,5	16	231
K.27B	27	12	36	39,7	52,5	18	232
K.28B	28	12	36	41,0	52,5	18	239
K.29B	29	12	36	42,0	52,5	18	245
K.30B	30	12	36	43,2	59,0	20	282
K.32B	32	12	36	45,9	59,0	22	301
K.33B	33	12	36	48,1	59,0	22	330
K.34B	34	12	36	48,4	59,0	24	322
K.35B	35	12	36	50,1	59,0	24	344

☞	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.36B	36	12	36	51,0	59,0	24	347
K.38B	38	12	40	54,3	66,9	27	478
K.40B	40	12	40	56,0	66,9	27	493
K.41B	41	12	40	57,3	66,9	27	504
K.42B	42	12	40	59,5	66,9	27	552
K.43B	43	21	40	60,7	66,9	28	301
K.44B	44	12	40	61,9	66,9	28	587
K.46B	46	12	40	63,5	75,0	30	641
K.50B	50	12	40	68,5	75,0	33	725
K.54B	54	12	45	74,0	75,0	36	880
K.55B	55	12	45	74,7	75,0	36	875

■ K.B 3/4" drive inch 12-point sockets



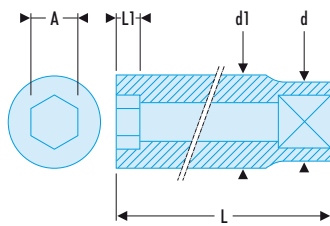
ASME B107.1

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

➤	A ["]	⊘ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.3/4B	3/4	12	36	30,1	51,0	14	207
K.7/8B	3/4	12	36	33,6	51,0	14	220
K.15/16B	15/16	12	36	35,7	52,5	14	233
K.1"B	1"	12	36	38,0	52,5	14	250
K.1'1/16B	1 1/16"	12	36	39,7	52,5	18	232
K.1'1/8B	1 1/8"	12	36	41,6	52,5	18	241
K.1'3/16B	1 3/16"	12	36	43,2	59,0	20	280
K.1'1/4B	1 1/4"	12	36	45,9	59,0	22	304
K.1'5/16B	1 5/16"	12	36	48,1	59,0	22	326
K.1'3/8B	1 3/8"	12	36	50,1	59,0	24	343
K.1'7/16B	1 7/16"	12	36	51,0	59,0	24	339
K.1'1/2B	1 1/2"	12	40	54,3	66,9	27	478

➤	A ["]	⊘ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.1'9/16B	1 9/16"	12	40	56,0	66,9	27	498
K.1'5/8B	1 5/8"	12	40	57,3	66,9	27	498
K.1'11/16B	1 11/16"	12	40	60,7	66,9	27	564
K.1'3/4B	1 3/4"	12	40	62,2	66,9	28	586
K.1'13/16B	1 13/16"	12	40	63,5	75,0	30	641
K.1'7/8B	1 7/8"	12	40	66,2	75,0	33	699
K.2"B	2"	12	40	68,5	75,0	33	698
K.2'1/8B	2 1/8"	12	45	74,0	75,0	36	880
K.2'3/16B	2 3/16"	12	45	74,7	75,0	36	855
K.2'1/4B	2 1/4"	12	45	77,1	75,0	36	913

■ K.LA 3/4" long-reach metric 6-point sockets



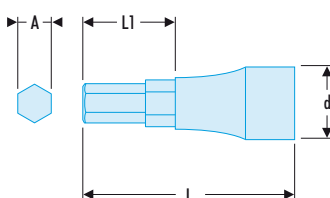
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124, ASME B107.5

- OGV® profile: more powerful tightening, preserves fasteners.
- Secure attachment of plunger lock accessories
- Quick release button.
- Finish: satin chrome.

➤	A [mm]	⊘ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.19LA	19	6	36	30,1	90	18	339
K.21LA	21	6	36	32,0	90	18	367
K.22LA	22	6	36	33,4	90	21	391
K.23LA	23	6	38	36,0	90	21	461
K.24LA	24	6	38	36,0	90	24	400
K.26LA	26	6	36	38,9	90	24	474
K.27LA	27	6	38	39,7	90	27	480
K.29LA	29	6	40	42,0	90	27	505
K.30LA	30	6	40	43,2	90	30	530

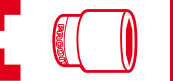
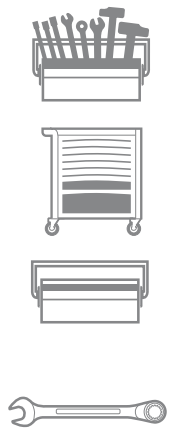
➤	A [mm]	⊘ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
K.32LA	32	6	40	45,9	90	33	540
K.33LA	33	6	45	48,1	90	33	600
K.34LA	34	6	45	48,4	90	33	656
K.35LA	35	6	45	50,1	90	33	707
K.36LA	36	6	45	51,0	90	36	672
K.38LA	38	6	45	54,3	90	36	772
K.41LA	41	6	45	57,3	90	40	778
K.42LA	42	6	45	59,5	90	40	863

■ KT.A 3/4" drive metric bits for hexagon socket heads



- Interchangeable bits with plunger lock.
- Finish: chrome with phosphate bit.

➤	A [mm]	d [mm]	Bits	L [mm]	L1 [mm]	ΔΔ [g]
KT.14A	14	36	ET.1914	74,5	25	297
KT.17A	17	36	ET.1917	74,5	25	307
KT.19A	19	36	ET.1919	74,5	25	314
KT.22A	22	36	ET.1919	74,5	25	314



"Mammoth" 1" range

1" metric socket sets

▣ M.431E Set of 1" drive 6-point sockets 42 to 82 mm



- Including:
 - Ratchet: M.151.
 - Sockets: M.50HA - M.54HA - M.55HA - M.58HA - M.60HA - M.63HA - M.65HA - M.67HA - M.70HA - M.71HA - M.75HA - M.77HA - M.80HA - M.82HA - M46HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.101, dim. (L. x D. x H.): 768 x 344 x 158 mm.
 - Tray PL.57.
- Weight: 46 kg.

▣ M.441E Set of 1" drive 6-point sockets 58 to 100 mm



- Including:
 - Ratchet: M.151.
 - Sockets: M.58HA - M.60HA - M.63HA - M.65HA - M.67HA - M.70HA - M.71HA - M.75HA - M.77HA - M.80HA - M.82HA - M.85HA - M.90HA - M.95HA - M.100HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.101, dim. (L. x D. x H.): 768 x 344 x 158 mm.
 - Tray PL.54.
- Weight: 64.20 kg.

▣ M.423E Set of 1" drive 6-point sockets 41 to 80 mm



- Including:
 - Ratchet: M.151.
 - Sockets: M.58HA - M.60HA - M.63HA - M.65HA - M.67HA - M.70HA - M.71HA - M.75HA - M.77HA - M.80HA - M.82HA - M.85HA - M.90HA - M.95HA - M.100HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.104, dim. (L. x D. x H.): 568 x 344 x 123 mm.
 - Tray PL.85.
- Weight: 29.70 kg.

1" inch socket sets

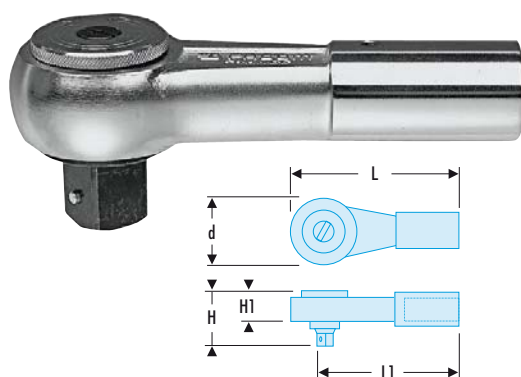
▣ M.431U Set of 1" drive sockets 17/8" to 33/8"



- Including:
 - Ratchet: M.151.
 - Sockets: M.1'7/8HA - M.2'1/2HA - M.2'1/4HA - M.2'3/16HA - M.2'3/4HA - M.2'3/8HA - M.2'5/8HA - M.2'HA - M.3'1/8HA - M.3'3/8HA - M.3'HA - M.2'1/8HA.
 - Accessories: M.120A - M.210A - M.215A.
 - Metal case BT.101, dim. (L. x D. x H.): 768 x 344 x 158 mm.
 - Tray PL.58.
- Weight: 29.70 kg.

Ratchets and accessories 1"

1" drive ratchet without handle

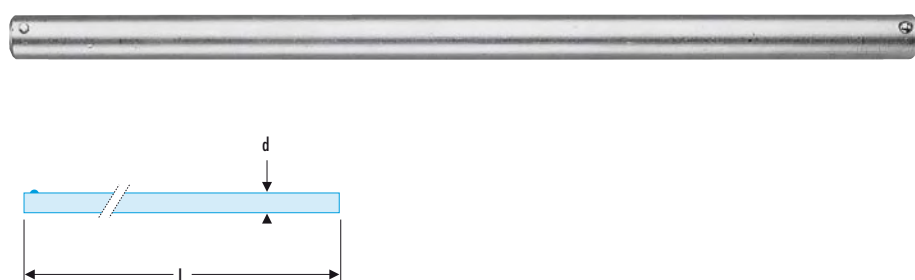


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- 5° increment.
- 72-tooth mechanism.
- For use with bars M.125 or M.126 and handle M.120.
- Finish: satin chrome.

➤	d [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.151	73	77	45	197	161	2,10

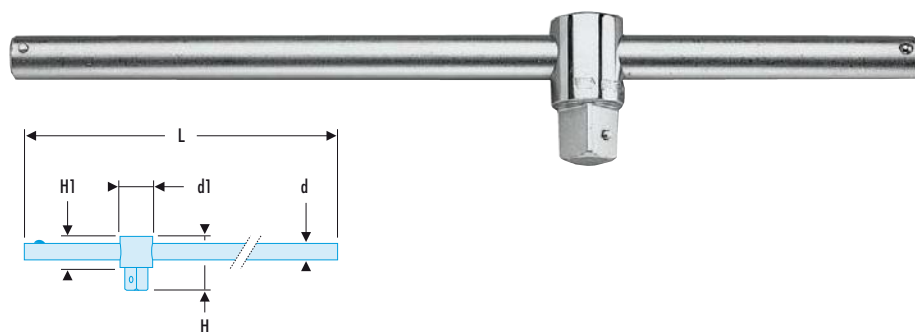
M.A - Bars for 1" ratchet M.151



- Used as extension handles on ratchet M.151.
- Finish: satin chrome.

➤	d [mm]	L [mm]	ΔΔ [kg]
M.125A	25	500	1,90
M.126A	25	700	2,70

1" drive sliding tee

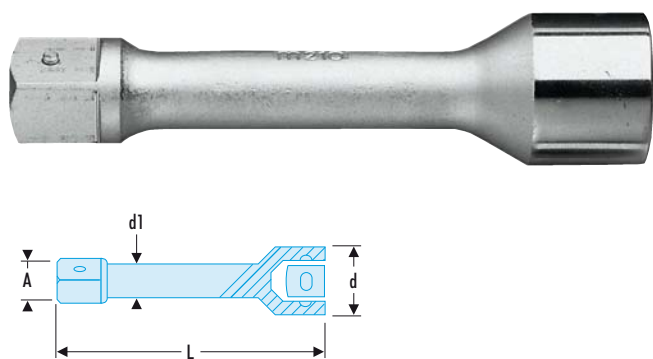


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Friction-head allows bar to form a T or L-handle.
- Fitted with a lock by plunger.
- Finish: satin chrome.

➤	d [mm]	d1 [mm]	H [mm]	H1 [mm]	L [mm]	ΔΔ [kg]
M.120A	25	42	79	49,5	500	2,40

M.A - 1" drive extensions

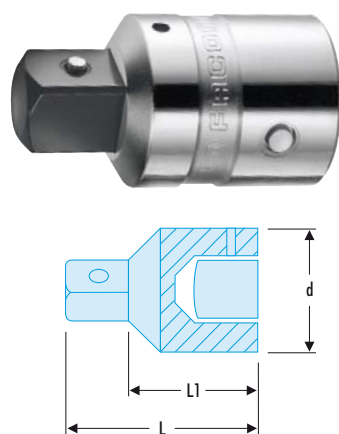


NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10

- Safety plunger lock.
- Finish: satin chrome.

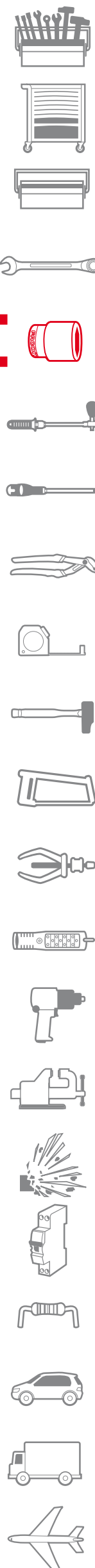
➤	A [mm]	d [mm]	d1 [mm]	L [mm]	ΔΔ [kg]
M.210A	33	48	25	200	1,10
M.215A	33	48	25	415	2,00

M.230C 1" to 3/4" coupler



NF ISO 3316, ISO 3316, DIN 3123

- For adapting 3/4" drive sockets.
 - Interchangeable 3/4" male square ref. M.230C1.
 - Finish: satin chrome, with burnished square.
- Weight: 415 g.



"Mammoth" 1" range

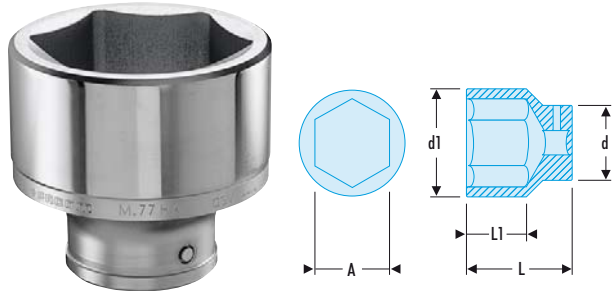
▣ M.230C1 Interchangeable 3/4" male drive



- Maximum torque 1412 N.m.
 - Interchangeable 1/3" male square attaches to 1" to 3/4" coupler reference M.230C.
 - Finish: burnished.
- Weight: 111 g.

1" sockets

▣ M.HA - 1" drive metric 6-point sockets



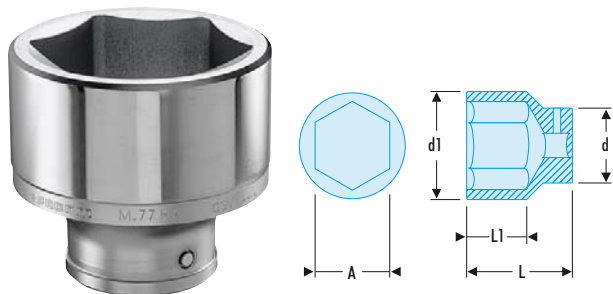
NF ISO 2725-1, NF ISO 1711-1, ISO 2725-1, ISO 1711-1, DIN 3124

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Finish: satin chrome.

➤	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.41HA	41	6	51,3	56,9	74	25	0,685
M.46HA	46	6	51,3	64,4	76	30	0,852
M.50HA	50	6	51,3	69,4	80	33	0,968
M.54HA	54	6	56,3	74,4	84	31	1,262
M.55HA	55	6	56,3	75,4	84	36	1,262
M.58HA	58	6	56,3	79,6	85	35	1,354
M.60HA	60	6	56,3	82,4	87	39	1,432
M.63HA	63	6	58,3	85,4	92	35	1,545
M.65HA	65	6	58,3	88,4	92	42	1,652
M.67HA	67	6	58,3	90,4	92	39	1,687

➤	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.70HA	70	6	56,3	95,0	96	45	1,921
M.71HA	71	6	56,3	96,0	96	45	1,904
M.75HA	75	6	63,3	101,0	100	48	2,261
M.77HA	77	6	63,3	108,0	100	51	2,751
M.80HA	80	6	63,3	108,0	106	52	2,800
M.82HA	82	6	63,3	110,8	110	52	2,880
M.85HA	85	6	71,3	114,0	110	52	3,225
M.90HA	90	6	71,3	121,0	110	56	3,555
M.95HA	95	6	71,3	127,0	110	56	3,800
M.100HA	100	6	71,3	133,0	115	56	4,225

▣ M.HA - 1" drive inch 6-point sockets



ASME B107.1

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Finish: satin chrome.

➤	A ["]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.1'13/16HA	1"13/16	6	51,3	64,4	76	30	0,852
M.1'7/8HA	1"7/8	6	51,3	66,4	80	29	0,929
M.2'HA	2"	6	51,3	70,4	80	31	1,000
M.2'1/8HA	2"1/8	6	56,3	74,4	84	31	1,262
M.2'3/16HA	2"3/16	6	56,3	75,4	84	35	1,253
M.2'1/4HA	2"1/4	6	56,3	78,5	84	35	1,368
M.2'3/8HA	2"3/8	6	56,3	82,4	87	39	1,439

➤	A ["]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.2'1/2HA	2"1/2	6	58,3	86,4	92	35	1,570
M.2'5/8HA	2"5/8	6	58,3	90,4	92	39	1,704
M.2'3/4HA	2"3/4	6	94,4	58,3	96	45	1,904
M.3'HA	3"	6	65,3	103,4	100	51	2,347
M.3'1/8HA	3"1/8	6	65,3	107,4	106	51	2,770
M.3'3/8HA	3"3/8	6	73,3	113,4	110	56	3,225

▣ 1" drive 12-point sockets



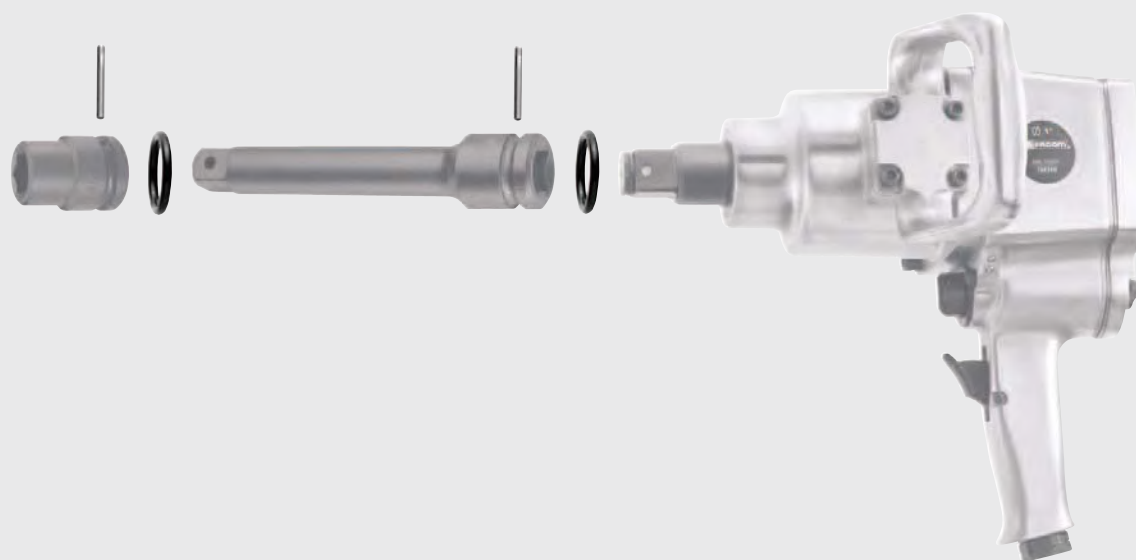
ASME B107.1

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Finish: chromed.

➤	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.65B	65	12	58,3	85,4	92	42	1,652

IMPACT SOCKETS AND ACCESSORIES

DEVELOPED FOR YOUR POWER TOOLS



PERFORMANCE

• Specially designed to resist the stresses from impact (section 14), or "Dynapact" tools (section 5). Their special steel and heat treatment ensure a very high yield strength and wear resistance.

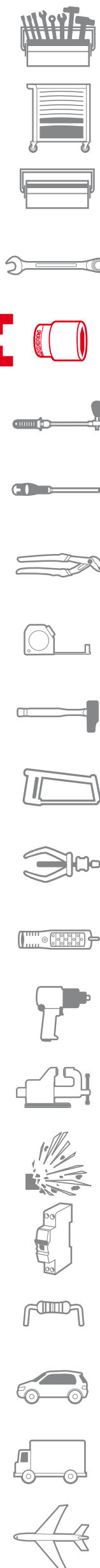


SAFETY

• All sockets and accessories feature a groove and side-hole to UNI ISO 2725. Locking is ensured by a through-pin and retaining ring (to be ordered separately). Never fit chrome-finished manual sockets Impact tools.

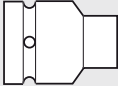



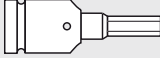

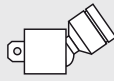
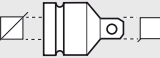
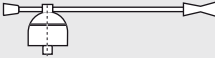

pins	Ø x L (mm)
GA.15A	2,5 x 15,0
GA.18A	2,5 x 18,0
GA.20A	3,0 x 20,0
GA.24A	3,0 x 24,0
GA.37A	4,0 x 37,0
GA.43A	5,0 x 43,0
GA.75A	6,0 x 75,0
GA.84A	6,0 x 84,0

rings	Ø tore x Ø in. (mm)
BA.16A	2,4 x 16,0
BA.19A	2,4 x 19,0
BA.21A	2,4 x 21,0
BA.20A	3,5 x 20,2
BA.24A	3,5 x 24,0
BA.25A	3,5 x 25,0
BA.38A	3,5 x 38,0
BA.46A	3,5 x 46,0
BA.75A	5,7 x 75,0
BA.85A	5,7 x 85,0



IMPACT SOCKETS AND ACCESSORIES

CHOOSING IMPACT TOOLS

TYPE OF TOOL	DRIVE	SIZES
Socket 	<input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1 1/2"	6 > 19 mm 8 > 32 mm ; 3/8" > 1 1/16" 17 > 46 mm ; 3/4" > 1 5/8" 21 > 77 mm 55 > 120 mm 12 16 > 22 mm
TORX® 	<input checked="" type="checkbox"/> 1/2"	E10 > E24
Long-reach socket 	<input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1"	8 > 32 mm 8 > 32 mm 17 > 46 mm 21 > 36 mm 22 > 70 mm 24 > 50 mm
Extra-long-reach socket 	<input checked="" type="checkbox"/> 1"	30, 32, 33 mm
Monobloc bit 	<input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4"	5 > 19 mm 17 > 24 mm T30 > T60
Extension 	<input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1 1/2"	L : 76 - 150 mm L : 50 - 252 mm L : 100 - 330 mm L : 125 - 330 mm L : 250 - 330 mm
Universal joint 	<input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2"	1 model per drive
Coupler 	<input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1 1/2"	<input checked="" type="checkbox"/> 3/8" > <input checked="" type="checkbox"/> 1/2" <input checked="" type="checkbox"/> 3/8" > <input checked="" type="checkbox"/> 1/4" <input checked="" type="checkbox"/> 1/2" > <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1/2" > <input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 3/4" > <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 3/4" > <input checked="" type="checkbox"/> 1" <input checked="" type="checkbox"/> 1" > <input checked="" type="checkbox"/> 1 1/2" <input checked="" type="checkbox"/> 1" > <input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1 1/2" > <input checked="" type="checkbox"/> 2 1/2" <input checked="" type="checkbox"/> 1 1/2" > <input checked="" type="checkbox"/> 1"
Dynapact wrench 	<input checked="" type="checkbox"/> 3/4" <input checked="" type="checkbox"/> 1"	1000 Nm 2000 Nm
Impact screwdrivers 	<input checked="" type="checkbox"/> 3/8" <input checked="" type="checkbox"/> 1/2"	200 Nm 400 Nm

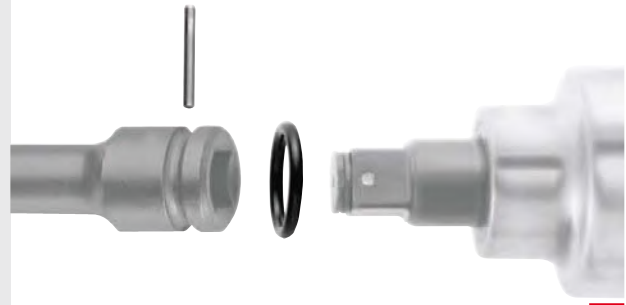


Impact sockets 3/8"

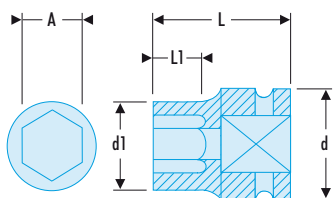
IMPACT SOCKETS AND ACCESSORIES  3/8"

SAFETY FIRST

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Never fit chrome-finished manual sockets or accessories to impact tools.



 **NJ.A - 3/8" drive metric 6-point impact sockets**



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33



- For your safety, use impact sockets and accessories with the appropriate rings and pins.

	A		d	d1	GA	BA	L	L1	$\Delta\Delta$
	[mm]	[mm]	[mm]	[mm]			[mm]	[mm]	[g]
NJ.6A	6	6	19	11,5	GA.15A	BA.16A	30	6,0	38
NJ.7A	7	6	19	12,5	GA.15A	BA.16A	30	8,0	41
NJ.8A	8	6	19	14,0	GA.15A	BA.16A	30	8,0	41
NJ.9A	9	6	19	15,0	GA.15A	BA.16A	30	8,0	42
NJ.10A	10	6	19	16,5	GA.15A	BA.16A	30	8,0	41
NJ.11A	11	6	19	17,5	GA.15A	BA.16A	32	9,0	47
NJ.12A	12	6	19	19,0	GA.15A	BA.16A	30	9,0	49
NJ.13A	13	6	22	20,0	GA.18A	BA.19A	30	10,0	49
NJ.14A	14	6	22	21,5	GA.18A	BA.19A	30	11,5	63
NJ.15A	15	6	22	22,0	GA.18A	BA.19A	30	11,0	67
NJ.16A	16	6	22	24,0	GA.18A	BA.19A	30	12,5	72
NJ.17A	17	6	22	25,0	GA.18A	BA.19A	30	12,5	70
NJ.18A	18	6	22	26,5	GA.18A	BA.19A	30	12,5	73
NJ.19A	19	6	22	27,5	GA.18A	BA.19A	30	14,0	77

CREATE YOUR OWN BIT SOCKETS

Screw bits




- Series 2  5/16"
- Series 3  1/2"


 See Section 7

Impact bit holder  3/8"



NJ.236A
 5/16"
7.94 mm

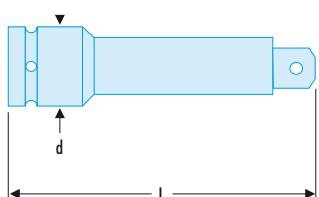


NJ.237A
 1/2"
12.70 mm

 See p. 322




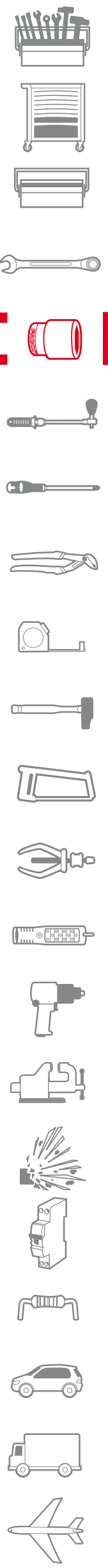
 **NJ.A - 3/8" drive impact extensions**



ASME B107.2

- For your safety, use impact extensions and accessories with the appropriate rings and pins.

	d [mm]	GA	BA	L [mm]	$\Delta\Delta$ [g]
NJ.210A	19	GA.15A	BA.16A	75	95
NJ.211A	19	GA.15A	BA.16A	150	170



"Impact" range

3/8" drive impact universal joint

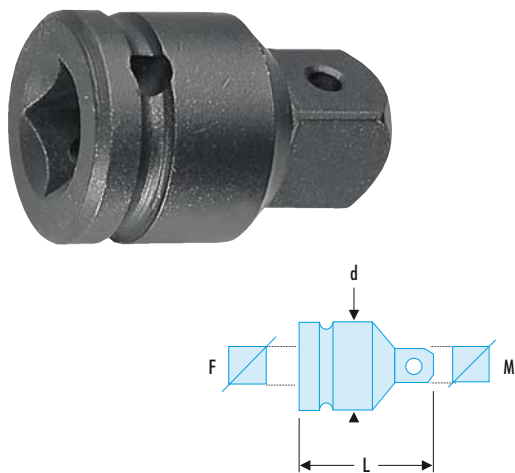


ASME B107.2

- For your safety, use impact universal joints with the appropriate rings and pins.

➤	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NJ.240A	23.85	GA.18A	BA.20A	51	85

NJ.A - 3/8" drive impact couplers



ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.
- NJ.230A: 1/4" socket coupler.
- NJ.232A: 1/2" socket coupler.

➤	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NJ.230A	F = 3/8" - M = 1/4"	22	GA.18A	BA.19A	32	40
NJ.232A	F = 3/8" - M = 1/2"	22	GA.18A	BA.19A	36	95

FACOM POWER TOOLS

FACOM HAS A WIDE RANGE OF AIR AND PORTABLE ELECTRIC TOOLS,

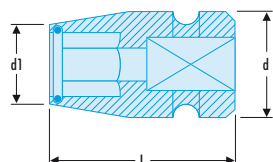
Including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

➤ See section 14 p.676



Impact accessories 3/8"

NJ.A - 3/8" bit holder impact sockets



NF ISO 1711-2, ISO 1711-2, DIN 3121,

- NJ.236A: for 5/16 bits.
- NJ.237A: for 1/2 bits.

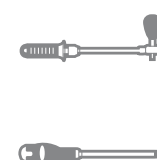
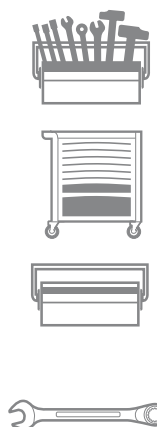
➤	A ["]	Vierkant ["]	d [mm]	d1 [mm]	GA	BA	L [mm]	ΔΔ [g]
NJ.236A	5/16	3/8	19	14,0	GA.15A	BA.16A	37	35
NJ.237A	1/2	3/8	19	19	GA.15A	BA.16A	37	40

Impact sockets 3/8" and bits

■ **JHX.14** Case with 14 impact 3/8" bits



- Including:
 - 2 bit holder sockets: 3/8", diam. 1/2" and 5/16" (Ref NJ.236A and NJ.237A).
 - 6 hex impact bits: 6 - 7 - 8 - 10 - 12 - 14 mm (Ref ENH.306 - ENH.307 - ENH.308 - ENH.310 - ENH.312 - ENH.314).
 - 5 Torx® impact bits: T30 - T40 - T45 - T50 - T55 (Ref NEX.30A - NEX.40A - NEX.45A - NEX.50A - NEX.55A).
 - 3 Phillips impact bits: PH2 - PH3 - PH4 (Réf ENP.202 - ENP.203 - ENP.204).
 - Plastic case BP.102, dim. (L. x D. x H.): 204 x 122 x 52 mm.
 - Thermoformed module PL402A.
- Weight: 780 g.

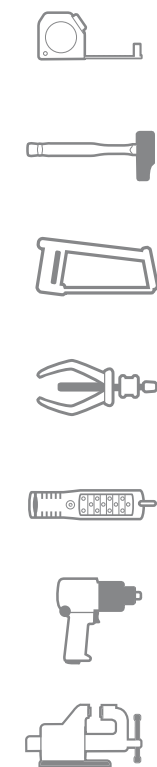


Impact sockets 1/2" and accessories set

■ **NS.550A** Set of 1/2" short and long-reach impact sockets 10 to 32 mm



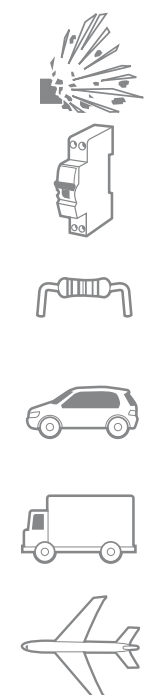
- Suitable for all automotive works: short sockets, long sockets, aluminium wheel sockets (17 - 19 - 21 mm).
 - For your safety, use impact sockets and accessories with the appropriate rings and pins (supplied in the case).
 - Comprising:
 - Standard sockets: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27 - 30 - 32 mm.
 - Long-reach sockets: 10 - 13 - 16 - 18 mm.
 - Sockets for alloy wheel nuts: 17 - 19 - 21 mm.
 - Extension: NS.215A.
 - Rings and associated pins.
 - Plastic case BP.109, dim. (L. x D. x H.): 478 x 234 x 72 mm.
 - Tray PL.716.
- Weight: 5.10 kg.



■ **NS.500A** Set of 1/2" impact sockets 8 to 27 mm



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
 - Comprising:
 - Sockets: 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27 mm.
 - Universal joint: NS.240A.
 - Extension: NS.215A.
 - Rings and associated pins.
 - Plastic case BP.112, dim. (L. x D. x H.): 389 x 164 x 66 mm.
 - Tray PL.416.
- Weight: 3.70 kg.



▣ NS.500AU Set of 1/2" impact sockets from 3/8" to 1"1/16



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Comprising:
 - NS.A sockets: 3/8" --> 1"1/16.
 - Universal joint: NS.240A.
 - Extension: NS.215A.
 - Rings and associated pins.
 - Plastic case BP.112, dim. (L. x D. x H.): 389 x 164 x 66 mm.
 - Tray PL.417.
- Weight: 3.10 kg.

▣ NS.405A Set of 1/2" long-reach impact sockets 10 to 24 mm



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Comprising:
 - 1/2" long-reach sockets: 10 - 11 - 12 - 13 - 14 - 16 - 17 - 19 - 21 - 22 - 23 - 24 mm.
 - Plastic case BP.112, dim. (L. x D. x H.): 389 x 164 x 66 mm.
 - Tray PL.418.
- Weight: 4 kg.

▣ NS.J9 9-piece rack set of 1/2" drive metric 6-point impact sockets



- A selection of the most popular sizes for automotive applications: NS.13A - NS.14A - NS.16A - NS.17A - NS.18 - NS.19A - NS.21A - NS.22A - NS.24A.
- Essential accessory for any 1/2" drive.
- Supplied on rack CKS.95.
- Weight: 1.20 kg.

▣ NSB.3 3-piece set of 1/2" long-reach thin-wall impact sockets for wheel nuts

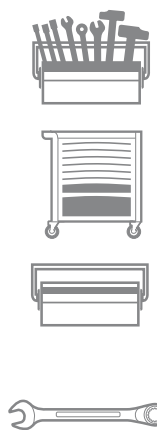


- Includes long-reach sockets NSB.17 - NSB.19 - NSB.21.
- Special series for wheel nuts.
- Weight: 740 g.

▣ **NSTX.J7** 7-piece Torx® 1/2" impact socket rack set



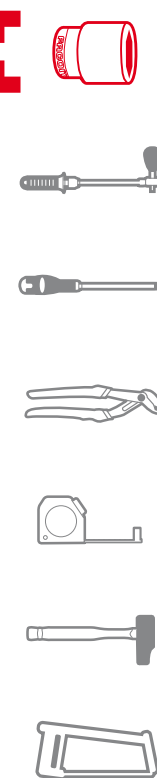
- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Set of 7 Torx® impact sockets drive 1/2".
- Comprising:
 - NSTX: E10 - E12 - E14 - E16 - E18 - E20 - E24.
- Supplied on rack CKS.97.
- Weight: 770 g.



▣ **NSHM.J8** 8-piece rack set of 1/2" drive metric bits for hexagon socket heads



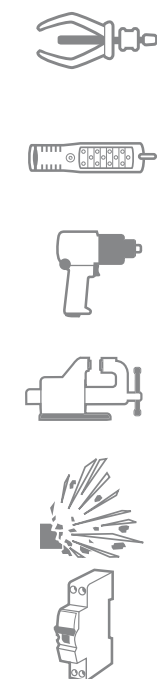
- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Set of 8 bits 1/2" drive for hexagon socket heads.
- Includes sizes: NSHM.5 - 6 - 8 - 10 - 12 - 14 - 17 - 19.
- Supplied on a rack CKS.95.
- Weight: 1.20 kg.



▣ **NHX.14A** 14-piece 1/2" drive impact bit set



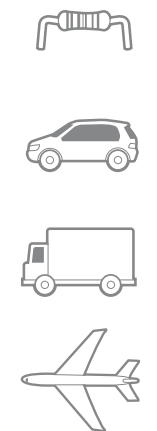
- Comprising:
 - 2 bit holders 1/2" square drive, diam. 1/2" and 5/16".
 - 6 hex: 6 - 7 - 8 - 10 - 12 and 14 mm.
 - Torx®: 30 - 40 - 45 - 50 - 55.
 - Phillips®: 2 - 3 - 4.
 - Plastic case BP.102.
 - Tray PL.402A.
- Weight: 800 g.



▣ **MOD.NS1** 1/2" drive impact socket module NS1



- Comprising:
 - 1/2" drive impact sockets: NSA 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24 mm.
 - 1/2" extension: NS215A 125 mm.
 - Tray PL610.
- Weight: 2 kg.



"Impact" range

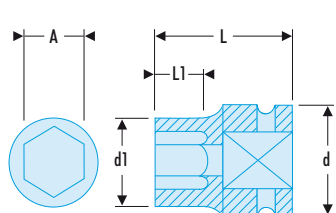
MOD.NS2 1/2" drive metric 6-point impact socket module



- Comprising:
 - Impact short sockets 1/2": NS.A 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27 - 30 - 32 mm
 - Impact sockets 1/2" bit holders: NS.236A and NS.237A
 - Impact bits: ENH.3 6 - 7 - 8 - 10 - 12 - 14; ENP.2 2 - 3 - 4; NEX.A 30 - 40 - 45 - 50 - 55.
 - Tray PL.623.
- Weight: 985 g.

Impact sockets 1/2" and accessories

NS.A - 1/2" drive metric 6-point impact sockets

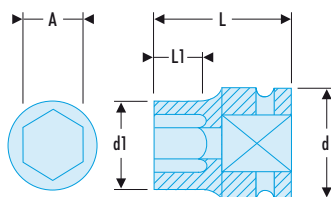


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	A [mm]	⊕ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NS.8A	8	6	25	15,0	GA.20A	BA.20A	38	9	70
NS.9A	9	6	25	16,0	GA.20A	BA.20A	38	12	70
NS.10A	10	6	25	17,5	GA.20A	BA.20A	38	12	75
NS.11A	11	6	25	18,7	GA.20A	BA.20A	38	12	76
NS.12A	12	6	25	20,0	GA.20A	BA.20A	38	12	75
NS.13A	13	6	25	21,0	GA.20A	BA.20A	38	12	76
NS.14A	14	6	25	22,5	GA.20A	BA.20A	38	12	83
NS.15A	15	6	30	23,7	GA.24A	BA.25A	38	12	112
NS.16A	16	6	30	25,0	GA.24A	BA.25A	38	12	105
NS.17A	17	6	30	26,5	GA.24A	BA.25A	38	13	112
NS.18A	18	6	30	27,5	GA.24A	BA.25A	38	13	110
NS.19A	19	6	30	29,0	GA.24A	BA.25A	38	14	112
NS.20A	20	6	30	30,0	GA.24A	BA.25A	38	15	116
NS.21A	21	6	30	31,0	GA.24A	BA.25A	38	15	156
NS.22A	22	6	30	32,5	GA.24A	BA.25A	38	16	156
NS.23A	23	6	30	33,5	GA.24A	BA.25A	38	16	156
NS.24A	24	6	30	35,0	GA.24A	BA.25A	45	20	169
NS.26A	26	6	30	38,0	GA.24A	BA.25A	50	24	192
NS.27A	27	6	30	39,0	GA.24A	BA.25A	50	24	220
NS.28A	28	6	30	40,0	GA.24A	BA.25A	50	24	273
NS.29A	29	6	30	41,0	GA.24A	BA.25A	50	24	276
NS.30A	30	6	30	43,0	GA.24A	BA.25A	50	24	285
NS.32A	32	6	30	45,0	GA.24A	BA.25A	50	24	278

NS.A - 1/2" drive inch 6-point impact sockets

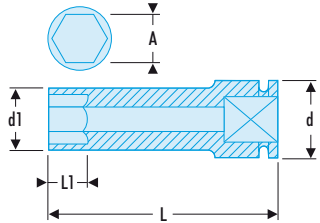


ASME B107.2

- For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	A ["]	⊕ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NS.3/8A	3/8	6	25	17,5	GA.20A	BA.20A	38	12	75
NS.7/16A	7/16	6	25	18,7	GA.20A	BA.20A	38	12	76
NS.1/2A	1/2	6	25	21,0	GA.20A	BA.20A	38	12	76
NS.9/16A	9/16	6	25	22,5	GA.20A	BA.20A	38	12	83
NS.5/8A	5/8	6	30	25,0	GA.24A	BA.25A	38	12	105
NS.11/16A	11/16	6	30	26,5	GA.24A	BA.25A	38	13	112
NS.3/4A	3/4	6	30	29,0	GA.24A	BA.25A	38	14	112
NS.13/16A	13/16	6	30	31,0	GA.24A	BA.25A	38	15	156
NS.7/8A	7/8	6	30	33,5	GA.24A	BA.25A	38	16	162
NS.15/16A	15/16	6	30	33,5	GA.24A	BA.25A	38	16	162
NS.1'A	1'	6	30	38,0	GA.24A	BA.25A	50	24	192
NS.1'1/16A	1' 1/16	6	30	39,0	GA.24A	BA.25A	50	24	220

■ NS.LA - 1/2" drive long-reach metric 6-point impact sockets

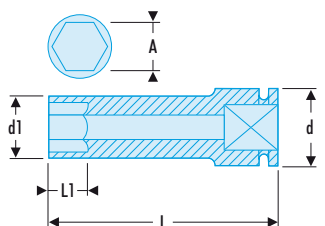


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NS.8LA	8	6	25	15,0	GA.20A	BA.20A	78	13	130
NS.10LA	10	6	25	17,5	GA.20A	BA.20A	78	14	154
NS.11LA	11	6	25	18,7	GA.20A	BA.20A	78	14	163
NS.12LA	12	6	25	20,0	GA.20A	BA.20A	78	14	169
NS.13LA	13	6	25	21,0	GA.20A	BA.20A	78	14	185
NS.14LA	14	6	25	22,5	GA.20A	BA.20A	78	17	201
NS.16LA	16	6	30	25,0	GA.24A	BA.25A	78	17	224
NS.17LA	17	6	30	26,0	GA.24A	BA.25A	78	17	252
NS.18LA	18	6	30	27,5	GA.24A	BA.25A	78	17	283
NS.19LA	19	6	30	29,0	GA.24A	BA.25A	78	19	268
NS.21LA	21	6	30	31,0	GA.24A	BA.25A	78	24	310
NS.22LA	22	6	30	32,5	GA.24A	BA.25A	78	24	302
NS.23LA	23	6	30	33,5	GA.24A	BA.25A	78	24	298
NS.24LA	24	6	30	35,0	GA.24A	BA.25A	78	24	309
NS.26LA	26	6	30	38,0	GA.24A	BA.25A	78	24	311
NS.27LA	27	6	30	39,0	GA.24A	BA.25A	78	24	325
NS.28LA	28	6	30	40,0	GA.24A	BA.25A	78	24	323
NS.29LA	29	6	30	41,0	GA.24A	BA.25A	78	24	357
NS.30LA	30	6	30	43,0	GA.24A	BA.25A	78	24	352
NS.32LA	32	6	30	45,0	GA.24A	BA.25A	78	24	317

■ NSB - 1/2" drive long-reach metric thin-wall 6-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

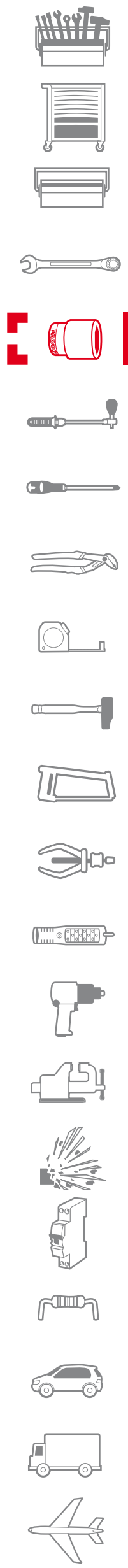
• For your safety, use impact sockets and accessories with the appropriate rings and pins.
• Thin wall for better access.
• 6-point convex pattern for increased resilience.

➤	A [mm]	⌀ [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NSB.8	8	6	13,0	GA.20A	BA.20A	80	8	165
NSB.10	10	6	15,0	GA.20A	BA.20A	80	10	170
NSB.13	13	6	19,0	GA.20A	BA.20A	80	13	210
NSB.15	15	6	22,0	GA.24A	BA.25A	80	15	220
NSB.16	16	6	23,0	GA.24A	BA.25A	80	16	230
NSB.17	17	6	24,0	GA.24A	BA.25A	80	17	245
NSB.18	18	6	25,5	GA.24A	BA.25A	80	18	245
NSB.19	19	6	27,0	GA.24A	BA.25A	80	19	240
NSB.21	21	6	30,0	GA.24A	BA.25A	80	22	245
NSB.22	22	6	31,0	GA.24A	BA.25A	85	23	250
NSB.24	24	6	32,0	GA.24A	BA.25A	85	24	280
NSB.27	27	6	36,0	GA.24A	BA.25A	85	27	325
NSB.30	30	6	39,0	GA.24A	BA.25A	85	30	330
NSB.32	32	6	41,0	GA.24A	BA.25A	85	32	335

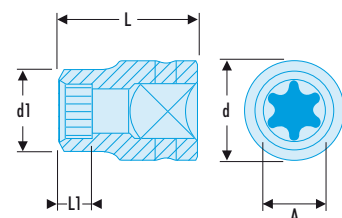
SOCKETS FOR ALLOY WHEELS

• NSAL.3 = set of 3 deep impact sockets with protective plastic sleeves to prevent damage to polished chrome or alloy wheels.

➤ See Section 19 p. 954



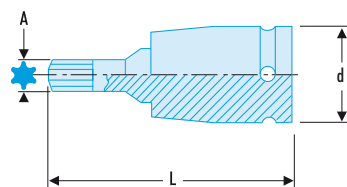
■ NSTX Torx® 1/2" impact sockets



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- For Torx® male drive fasteners.

➤	A [mm]	Torx [No]	d [mm]	d1 [mm]	GA	BA	L [mm]	ΔΔ [g]
NSTX.10	9,19	E10	25	14,2	GA.20A	BA.20A	38	86
NSTX.12	10,95	E12	25	15,2	GA.20A	BA.20A	38	85
NSTX.14	12,67	E14	25	18,2	GA.20A	BA.20A	38	88
NSTX.16	14,70	E16	25	19,2	GA.20A	BA.20A	38	88
NSTX.18	16,38	E18	25	22,2	GA.20A	BA.20A	38	89
NSTX.20	18,16	E20	30	24,2	GA.24A	BA.24A	38	134
NSTX.24	21,84	E24	30	28,2	GA.24A	BA.24A	40	138

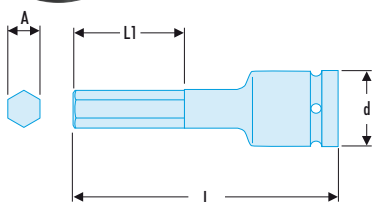
■ NSX 1/2" drive impact bits for Torx® heads



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- For Torx® male drive fasteners.

➤	A [mm]	Torx [No]	d [mm]	Bits	L [mm]	ΔΔ [g]
NSX.30A	5,49	T30	25	NEX.30A	70	90
NSX.40A	6,60	T40	25	NEX.40A	70	95
NSX.45A	7,77	T45	25	NEX.45A	70	95
NSX.50A	8,79	T50	25	NEX.50A	70	100
NSX.55A	11,17	T55	25	NEX.55A	70	105
NSX.60A	13,20	T60	25	NEX.60A	70	110

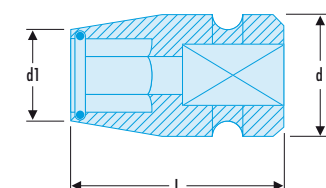
■ NSHM 1/2" drive metric impact bits for hexagon socket heads



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Monobloc driver socket.

➤	A [mm]	⊕ [mm]	d [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NSHM.5	5	6	25	GA.20A	BA.20A	75	20	60
NSHM.6	6	6	25	GA.20A	BA.20A	75	20	60
NSHM.8	8	6	25	GA.20A	BA.20A	75	25	80
NSHM.10	10	6	25	GA.20A	BA.20A	75	25	100
NSHM.12	12	6	25	GA.20A	BA.20A	75	25	120
NSHM.14	14	6	25	GA.20A	BA.20A	75	25	120
NSHM.17	17	6	25	GA.20A	BA.20A	75	25	160
NSHM.19	19	6	25	GA.20A	BA.20A	75	25	180

■ NS.A - 1/2" impact bit holder sockets

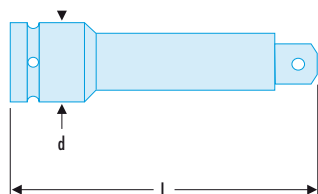


NF ISO 1711-2, ISO 1711-2, DIN 3121

- For 1/2" bits.
- NS.236: for 5/16" bits.
- NS.237: for 1/2" bits.

➤	A ["]	Square ["]	d [mm]	d1 [mm]	GA	BA	L [mm]	ΔΔ [g]
NS.236A	5/16	1/2	25	15,5	GA.20A	BA.20A	40	65
NS.237A	1/2	1/2	25	20	GA.20A	BA.20A	40	40

■ NS.A - 1/2" drive impact extensions

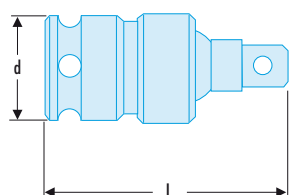


ASME B107.2

• For your safety, use impact extensions and accessories with the appropriate rings and pins.

➤	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NS.210A	25	GA.20A	BA.20A	50	105
NS.215A	25	GA.20A	BA.20A	125	235
NS.218A	25	GA.20A	BA.20A	175	370
NS.219A	25	GA.20A	BA.20A	250	520

■ 1/2" drive impact universal joint

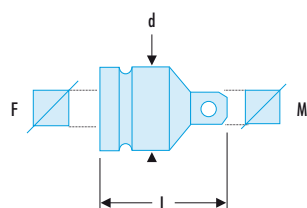


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

➤	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NS.240A	27,9	GA.24A	BA.24A	60	205

■ 1/2" to 3/4" impact coupler

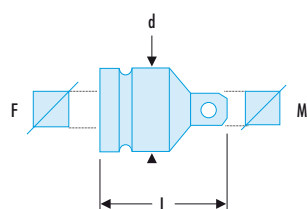


ASME B107.2

• For your safety, use impact couplers with the appropriate rings and pins.

➤	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NS.232B	F = 1/2" - M = 3/4"	31	GA.24A	BA.25A	50	185

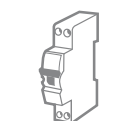
■ 1/2" to 3/8" impact coupler



ASME B107.2

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NS.230A	F = 1/2" - M = 3/8"	25	GA.20A	BA.20A	41	90



▣ **NK.500E** Set of 3/4" impact sockets 19 to 42 mm



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Comprising:
 - Sockets: NK.19A - NK.21A - NK.22A - NK.23A - NK.24A - NK.26A - NK.27A - NK.28A - NK.29A - NK.30A - NK.32A - NK.34A - NK.36A - NK.38A - NK.41A - NK.42A.
 - Rings: BA.38A.
 - Pins: GA.37A.
 - Accessories: NK.210A and NS.240A.
 - Metal case BT.111, dim. (L. x D. x H.): 396 x 224 x 82 mm.
 - Tray PL.79A.
- Weight: 12.40 kg.

▣ **NK.500U** Set of 3/4" impact sockets size 3/4" to 1"5/8



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Comprising:
 - Sockets: NK.1'1/16A - NK.1'1/2A - NK.1'1/4A - NK.1'1/8A - NK.13/16A - NK.15/16A - NK.1'5/16A - NK.1'5/8A - NK.1'7/16A - NK.1'A - NK.3/4A - NK.7/8A.
 - Pin: GA.37A.
 - Ring: BA.38A.
 - Accessories: NK.210A and NK.240A.
 - Metal case BT.111, dim.(L. x D. x H.): 396 x 224 x 82 mm.
 - Tray PL.80A.
- Weight: 10.30 kg.

FACOM POWER TOOLS

FACOM HAS A WIDE RANGE OF AIR AND PORTABLE ELECTRIC TOOLS,

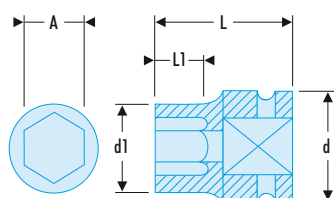
Including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

➤ See section 14 p.676



Impact sockets 3/4" and accessories

■ NK.A - 3/4" drive metric 6-point impact sockets

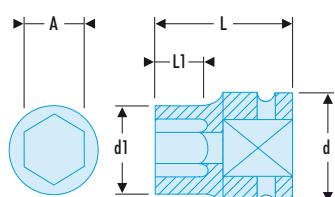


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NK.17A	17	6	44	30	GA.37A	BA.38A	52	12	300
NK.18A	18	6	44	32	GA.37A	BA.38A	50	13	310
NK.19A	19	6	44	33	GA.37A	BA.38A	50	14	315
NK.21A	21	6	44	35	GA.37A	BA.38A	50	15	330
NK.22A	22	6	44	37	GA.37A	BA.38A	50	16	345
NK.23A	23	6	44	38	GA.37A	BA.38A	50	16	350
NK.24A	24	6	44	39	GA.37A	BA.38A	50	17	350
NK.26A	26	6	44	42	GA.37A	BA.38A	50	18	480
NK.27A	27	6	44	43	GA.37A	BA.38A	54	23	480
NK.28A	28	6	44	44	GA.37A	BA.38A	54	23	520
NK.29A	29	6	44	45	GA.37A	BA.38A	54	23	520
NK.30A	30	6	44	47	GA.37A	BA.38A	54	23	545
NK.32A	32	6	44	49	GA.37A	BA.38A	56	23	620
NK.33A	33	6	44	51	GA.37A	BA.38A	56	23	650
NK.34A	34	6	44	52	GA.37A	BA.38A	56	23	680
NK.35A	35	6	44	53	GA.37A	BA.38A	56	23	680
NK.36A	36	6	44	54	GA.37A	BA.38A	56	25	705
NK.38A	38	6	44	57	GA.37A	BA.38A	58	26	890
NK.41A	41	6	44	60	GA.37A	BA.38A	58	28	890
NK.42A	42	6	44	62	GA.37A	BA.38A	58	29	925
NK.46A	46	6	44	67	GA.37A	BA.38A	63	32	1055

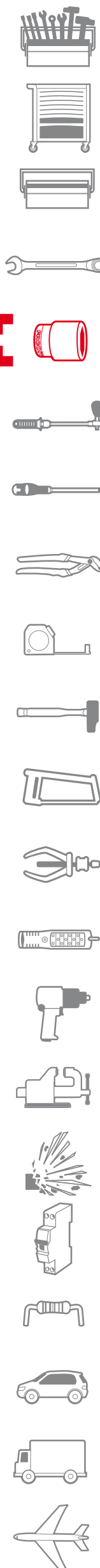
■ NK.A - 3/4" drive inch 6-point impact sockets



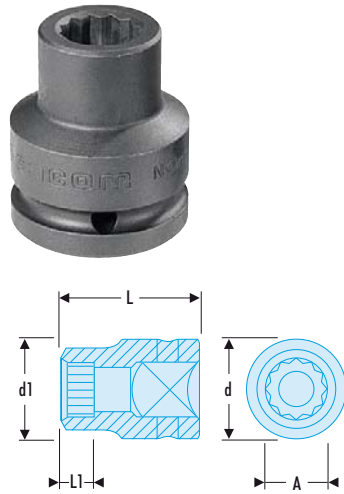
ASME B107.2

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	A ["]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NK.3/4A	3/4	6	44	33	GA.37A	BA.38A	50	14	315
NK.13/16A	13/16	6	44	35	GA.37A	BA.38A	50	15	330
NK.7/8A	7/8	6	44	37	GA.37A	BA.38A	50	16	345
NK.15/16A	15/16	6	44	39	GA.37A	BA.38A	50	17	350
NK.1"A	1"	6	44	41	GA.37A	BA.38A	50	18	480
NK.1"1/16A	1" 1/16	6	44	43	GA.37A	BA.38A	54	23	480
NK.1"1/8A	1" 1/8	6	44	44	GA.37A	BA.38A	54	23	520
NK.1"1/4A	1" 1/4	6	44	49	GA.37A	BA.38A	56	23	620
NK.1"5/16A	1" 5/16	6	44	53	GA.37A	BA.38A	56	23	680
NK.1"7/16A	1" 7/16"	6	44	55	GA.37A	BA.38A	56	24	515
NK.1"1/2A	1" 1/2	6	44	57	GA.37A	BA.38A	58	26	890
NK.1"5/8A	1" 5/8	6	44	60	GA.37A	BA.38A	58	28	890



█ NKD - 3/4" drive metric 12-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

⇒	A [mm]	⊕ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NKD.16A	16	12	44	29,0	GA.37A	BA.38A	52	12	300
NKD.17A	17	12	44	30,0	GA.37A	BA.38A	52	12	305
NKD.18A	18	12	44	31,5	GA.37A	BA.38A	52	14	310
NKD.19A	19	12	44	32,5	GA.37A	BA.38A	52	14	315
NKD.22A	22	12	44	36,5	GA.37A	BA.38A	52	16	340

█ NK.LA - 3/4" drive metric long-reach metric 6-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

⇒	A [mm]	⊕ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NK.17LA	17	6	44	31	GA.37A	BA.38A	95	17	550
NK.19LA	19	6	44	33	GA.37A	BA.38A	95	17	620
NK.21LA	21	6	44	35	GA.37A	BA.38A	95	24	600
NK.22LA	22	6	44	37	GA.37A	BA.38A	95	24	780
NK.23LA	23	6	44	38	GA.37A	BA.38A	95	24	780
NK.24LA	24	6	44	39	GA.37A	BA.38A	95	24	820
NK.26LA	26	6	44	42	GA.37A	BA.38A	95	24	800
NK.27LA	27	6	44	43	GA.37A	BA.38A	95	24	810
NK.29LA	29	6	44	45	GA.37A	BA.38A	95	24	890
NK.30LA	30	6	44	47	GA.37A	BA.38A	95	24	900
NK.32LA	32	6	44	49	GA.37A	BA.38A	95	24	930
NK.33LA	33	6	44	51	GA.37A	BA.38A	95	24	980
NK.34LA	34	6	44	52	GA.37A	BA.38A	95	24	1100
NK.35LA	35	6	44	53	GA.37A	BA.38A	95	24	1240
NK.36LA	36	6	44	54	GA.37A	BA.38A	95	25	1240
NK.38LA	38	6	44	57	GA.37A	BA.38A	95	60	1220
NK.41LA	41	6	44	60	GA.37A	BA.38A	95	60	1470
NK.42LA	42	6	44	62	GA.37A	BA.38A	95	60	1450
NK.46LA	46	6	44	67	GA.37A	BA.38A	95	60	1480

█ NKB - 3/4" drive long-reach metric thin-wall 6-point impact sockets

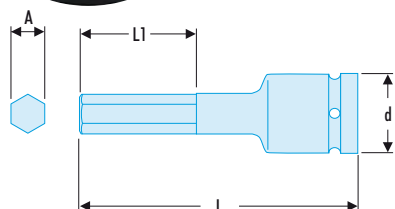


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Thin wall for better access.
- 6-point convex pattern for increased resilience.

⇒	A [mm]	⊕ [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NKB.21	21	6	33	GA.37A	BA.38A	102	21	600
NKB.22	22	6	34	GA.37A	BA.38A	102	22	600
NKB.24	24	6	36	GA.37A	BA.38A	102	24	640
NKB.27	27	6	40	GA.37A	BA.38A	102	27	670
NKB.30	30	6	43	GA.37A	BA.38A	102	30	700
NKB.32	32	6	46	GA.37A	BA.38A	102	32	706
NKB.33	33	6	48	GA.37A	BA.38A	102	33	750
NKB.36	36	6	50	GA.37A	BA.38A	102	36	765

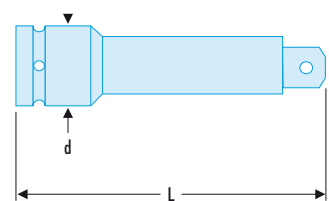
■ NKHM - 3/4" drive metric impact bits for hexagon socket head



- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Non-removable bits.

➤	A [mm]	⌀ [mm]	d [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [g]
NKHM.17	17	6	44	GA.37A	BA.38A	100	20	600
NKHM.19	19	6	44	GA.37A	BA.38A	100	20	600
NKHM.22	22	6	44	GA.37A	BA.38A	100	20	600
NKHM.24	24	6	44	GA.37A	BA.38A	100	20	600

■ NK.A - 3/4" drive impact extensions



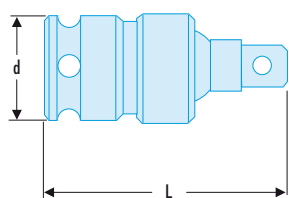
ASME B107.2

- For your safety, use impact extensions and accessories with the appropriate rings and pins.

➤	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NK.209A	44	GA.37A	BA.38A	100	600
NK.210A	44	GA.37A	BA.38A	175	105
NK.215A	44	GA.37A	BA.38A	252	117
NK.218A	44	GA.37A	BA.38A	330	151



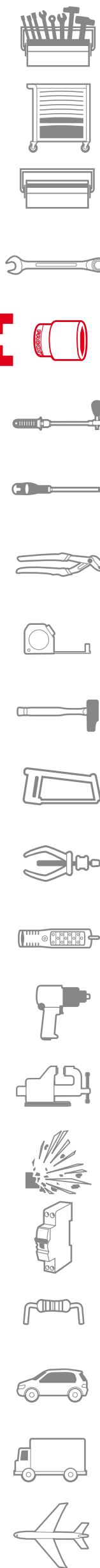
■ 3/4" drive impact universal joint



ASME B107.2

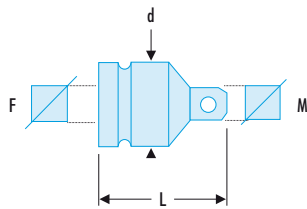
- For your safety, use impact universal joints with the appropriate rings and pins.

➤	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NK.240A	44	GA.37A	BA.38A	90	720



"Impact" range

3/4" to 1/2" impact coupler

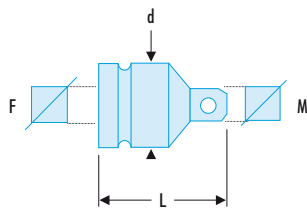


ASME B107.2

• For your safety, use impact couplers with the appropriate rings and pins.

☞	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NK.230A	F = 3/4" - M = 1"	54	GA.37A	BA.38A	75	210

3/4" to 1" impact coupler



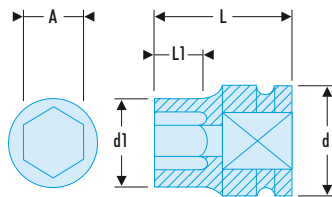
ASME B107.2

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

☞	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [g]
NK.232A	F = 3/4" - M = 1"	43	GA.37A	BA.38A	71	525

Impact sockets 1" and accessories

NM.A - 1" drive metric 6-point impact sockets

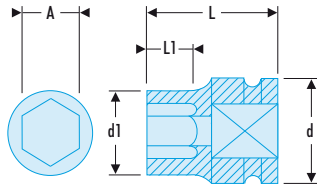


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

• For your safety, use impact sockets and accessories with the appropriate rings and pins.

☞	A [mm]	⊙ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [kg]
NM.21A	21	6	54	38	GA.43A	BA.46A	58	17	0,520
NM.22A	22	6	54	40	GA.43A	BA.46A	58	17	0,500
NM.23A	23	6	54	41	GA.43A	BA.46A	58	17	0,500
NM.24A	24	6	54	42	GA.43A	BA.46A	58	17	0,500
NM.26A	26	6	54	44	GA.43A	BA.46A	58	18	0,520
NM.27A	27	6	54	46	GA.43A	BA.46A	58	19	0,520
NM.28A	28	6	54	47	GA.43A	BA.46A	58	20	0,520
NM.29A	29	6	54	48	GA.43A	BA.46A	60	20	0,520
NM.30A	30	6	54	50	GA.43A	BA.46A	60	20	0,750
NM.32A	32	6	54	52	GA.43A	BA.46A	60	22	0,760
NM.33A	33	6	54	53	GA.43A	BA.46A	60	22	0,750
NM.34A	34	6	54	55	GA.43A	BA.46A	62	23	0,750
NM.35A	35	6	54	56	GA.43A	BA.46A	62	26	0,800
NM.36A	36	6	54	57	GA.43A	BA.46A	65	26	0,840
NM.38A	38	6	54	60	GA.43A	BA.46A	65	30	0,840
NM.41A	41	6	54	63	GA.43A	BA.46A	67	30	1,040
NM.42A	42	6	54	65	GA.43A	BA.46A	74	35	1,040
NM.46A	46	6	54	70	GA.43A	BA.46A	74	35	1,500
NM.50A	50	6	54	75	GA.43A	BA.46A	80	40	1,650
NM.52A	52	6	54	77	GA.43A	BA.46A	84	42	1,750
NM.54A	54	6	54	80	GA.43A	BA.46A	84	42	1,790
NM.55A	55	6	54	81	GA.43A	BA.46A	84	42	1,840
NM.56A	56	6	54	82	GA.43A	BA.46A	84	42	2,060
NM.58A	58	6	54	85	GA.43A	BA.46A	87	44	2,190
NM.60A	60	6	54	87	GA.43A	BA.46A	87	44	2,370
NM.65A	65	6	54	93	GA.43A	BA.46A	90	46	2,730
NM.70A	70	6	54	100	GA.43A	BA.46A	96	50	2,980
NM.75A	75	6	86	106	GA.75A	BA.75A	98	50	3,300
NM.77A	77	6	86	109	GA.75A	BA.75A	100	50	3,500

■ NM.A - 1" drive inch 6-point impact sockets

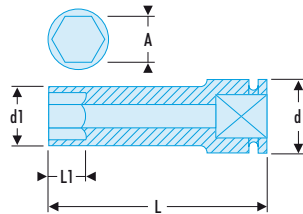


ASME B107.2

- For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	A ["]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [kg]
NM.1'A	1"	6	54	44	GA.43A	BA.46A	58	18	0,520
NM.1'1/8A	1 1/8"	6	54	48	GA.43A	BA.46A	60	20	0,520
NM.1'1/4A	1 1/4"	6	54	52	GA.43A	BA.46A	60	22	0,760
NM.1'5/16A	1 5/16"	6	54	54	GA.43A	BA.46A	62	22	0,750
NM.1'1/2A	1 1/2"	6	54	60	GA.43A	BA.46A	65	30	1,620
NM.1'5/8A	1 5/8"	6	54	63	GA.43A	BA.46A	67	30	1,040
NM.1'13/16A	1 13/16"	6	54	70	GA.43A	BA.46A	74	35	1,500
NM.1'7/8A	1 7/8"	6	54	72	GA.43A	BA.46A	74	35	1,620
NM.2'A	2"	6	54	77	GA.43A	BA.46A	84	42	1,750
NM.2'1/8A	2 1/8"	6	54	80	GA.43A	BA.46A	84	42	1,790

■ NM.LA - 1" drive long-reach metric 6-point impact sockets

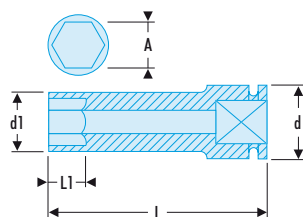


NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- For your safety, use impact sockets and accessories with the appropriate rings and pins.

➤	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [kg]
NM.22LA	22	6	54	40,0	GA.43A	BA.46A	100	21	1,000
NM.23LA	23	6	54	41,0	GA.43A	BA.46A	100	21	1,050
NM.24LA	24	6	54	42,0	GA.43A	BA.46A	100	21	1,050
NM.26LA	26	6	54	44,5	GA.43A	BA.46A	100	24	1,080
NM.27LA	27	6	54	46,0	GA.43A	BA.46A	100	24	1,120
NM.29LA	29	6	54	48,0	GA.43A	BA.46A	100	24	1,200
NM.30LA	30	6	54	50,0	GA.43A	BA.46A	100	24	1,200
NM.32LA	32	6	54	52,0	GA.43A	BA.46A	100	24	1,250
NM.33LA	33	6	54	53,0	GA.43A	BA.46A	100	24	1,320
NM.34LA	34	6	54	55,0	GA.43A	BA.46A	100	40	1,320
NM.35LA	35	6	54	56,0	GA.43A	BA.46A	100	60	1,340
NM.36LA	36	6	54	57,0	GA.43A	BA.46A	100	65	1,500
NM.38LA	38	6	54	60,0	GA.43A	BA.46A	100	65	1,500
NM.41LA	41	6	54	63,0	GA.43A	BA.46A	100	64	1,650
NM.42LA	42	6	54	65,0	GA.43A	BA.46A	100	64	1,650
NM.46LA	46	6	54	70,0	GA.43A	BA.46A	100	63	1,560
NM.50LA	50	6	54	75,0	GA.43A	BA.46A	100	62	1,870
NM.54LA	54	6	54	80,0	GA.43A	BA.46A	100	61	1,780
NM.55LA	55	6	54	81,0	GA.43A	BA.46A	100	60	1,930
NM.58LA	58	6	54	85,0	GA.43A	BA.46A	105	65	2,120
NM.60LA	60	6	54	87,0	GA.43A	BA.46A	120	78	2,180
NM.65LA	65	6	54	93,0	GA.43A	BA.46A	125	80	2,250
NM.70LA	70	6	54	100,0	GA.43A	BA.46A	125	80	2,230

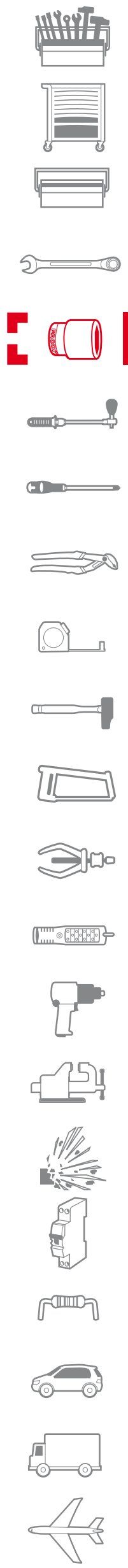
■ NMB - Long-reach 6-point thin-wall sockets



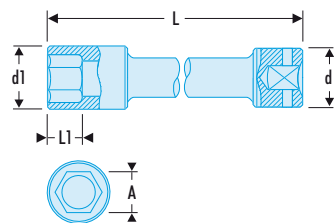
NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

- Thin wall for better access.
- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- 6-point convex pattern for increased resilience.

➤	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [kg]
NMB.24	24	6	54	38	GA.43A	BA.46A	108	24	0,940
NMB.27	27	6	54	42	GA.43A	BA.46A	108	27	1,000
NMB.30	30	6	54	46	GA.43A	BA.46A	108	30	1,040
NMB.32	32	6	54	48	GA.43A	BA.46A	108	32	1,040
NMB.33	33	6	54	49	GA.43A	BA.46A	108	33	1,050
NMB.36	36	6	54	53	GA.43A	BA.46A	108	36	1,080
NMB.46	46	6	54	66	GA.43A	BA.46A	108	38	1,480
NMB.50	50	6	54	74	GA.43A	BA.46A	108	66	1,480



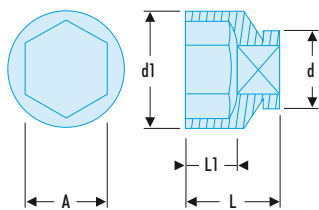
■ NM.ELA - 1" drive extra-long reach metric 6-point impact sockets



- For your safety, use impact extensions and accessories with the appropriate rings and pins.

☞	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [kg]
NM.30ELA	30	6	54	50	GA.43A	BA.46A	270	30	2,50
NM.32ELA	32	6	54	52	GA.43A	BA.46A	270	32	2,56
NM.33ELA	33	6	54	53	GA.43A	BA.46A	270	32	2,56

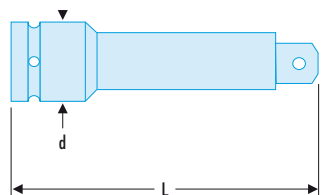
■ Special "Trailer" 1" drive metric impact sockets



- For your safety, use impact extensions and accessories with the appropriate rings and pins.
- For 77 mm 6-point trailer hub nut.

☞	A [mm]	d [mm]	d1 [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
M.77TR	77	54	106	81	35	1,96

■ NM.A - 1" drive impact extensions



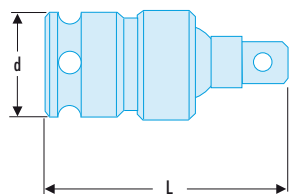
ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

☞	d [mm]	GA	BA	L [mm]	ΔΔ [kg]
NM.209A	54	GA.43A	BA.46A	125	1,20
NM.210A	54	GA.43A	BA.46A	200	1,60
NM.215A	54	GA.43A	BA.46A	330	2,50



1" drive impact universal joint

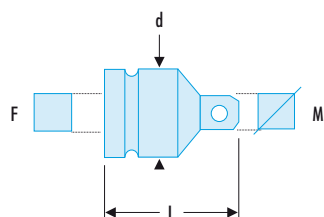


ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

	d [mm]	GA	BA	L [mm]	ΔΔ [kg]
NM.240A	54	GA.43A	BA.46A	110	2,00

NM.A - 1" to 3/4" impact couplers



ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [kg]
NM.230A	F = 1" - M = 3/4"	54	GA.38	BA.36	75	0,540
NM.231A	F = 1" - M = 1/2"	51	GA.38	BA.36	154	1,040

1" to 1/2" impact coupler



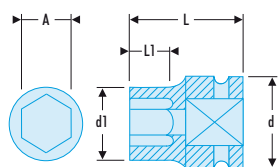
ASME B107.2

- For your safety, use impact couplers with the appropriate rings and pins.

	GA	BA	ΔΔ [kg]
NM.232A	GA.43A	BA.46A	1,50

Impact sockets 1" 1/2 and accessories

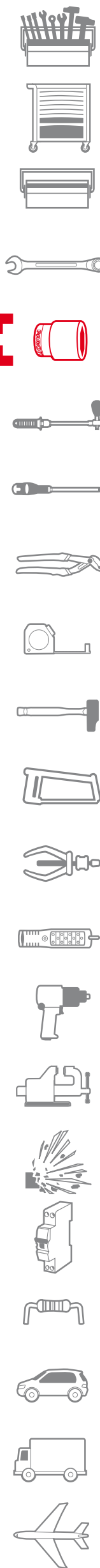
NG.A - 1 1/2" drive metric 6-point impact sockets



NF ISO 2725-2, NF ISO 1711-2, ISO 2725-2, ISO 1711-2, DIN 3129, ASME B107.33

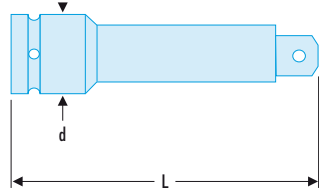
- For your safety, use impact sockets and accessories with the appropriate rings and pins.

	A [mm]	⌀ [mm]	d [mm]	d1 [mm]	GA	BA	L [mm]	L1 [mm]	ΔΔ [kg]
NG.55A	55	6	86	87	GA.75A	BA.75A	90	38	2,520
NG.60A	60	6	86	94	GA.75A	BA.75A	92	38	2,870
NG.65A	65	6	86	100	GA.75A	BA.75A	95	40	3,180
NG.70A	70	6	86	106	GA.75A	BA.75A	100	43	3,750
NG.75A	75	6	86	112	GA.75A	BA.75A	103	45	3,930
NG.80A	80	6	86	119	GA.75A	BA.75A	110	51	4,610
NG.85A	85	6	86	125	GA.75A	BA.75A	118	52	5,380
NG.90A	90	6	86	131	GA.75A	BA.75A	118	52	5,650
NG.95A	95	6	95	137	GA.84A	BA.85A	118	52	6,590
NG.100A	100	6	95	144	GA.84A	BA.85A	125	59	7,420
NG.105A	105	6	95	150	GA.84A	BA.85A	125	59	7,830
NG.110A	110	6	95	156	GA.84A	BA.85A	125	59	8,600
NG.115A	115	6	95	162	GA.84A	BA.85A	135	67	9,730
NG.120A	120	6	95	169	GA.84A	BA.85A	135	67	9,480



"Impact" range

NG.A - 1 1/2" drive impact extensions

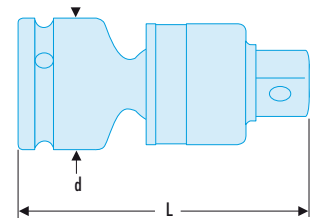


ASME B107.2

• For your safety, use impact extensions and accessories with the appropriate rings and pins.

➤	d [mm]	GA	BA	L [mm]	ΔΔ [kg]
NG.210A	86	GA.75A	BA.75A	250	5,60
NG.215A	86	GA.75A	BA.75A	330	6,80

1 1/2" impact universal joint

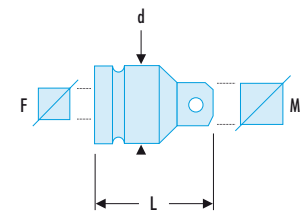


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

➤	d [mm]	GA	BA	L [mm]	ΔΔ [kg]
NG.240A	86	GA.75A	BA.75A	181	4,20

1 1/2" to 2 1/2" impact coupler

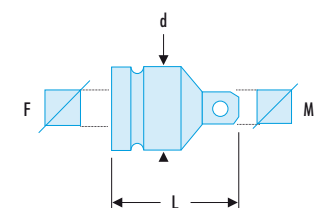


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

➤	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [kg]
NG.232A	F = 1 1/2 - M = 2 1/2	86	GA.75A	BA.75A	120	3,90

1 1/2" to 1" impact coupler

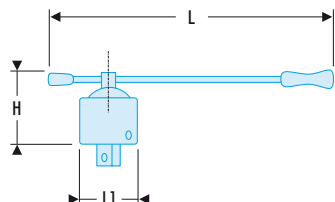


ASME B107.2

• For your safety, use impact universal joints with the appropriate rings and pins.

➤	Square ["]	d [mm]	GA	BA	L [mm]	ΔΔ [kg]
NG.230A	F = 1 1/2 - M = 1"	80	GA.75A	BA.75A	98	2,166

3/4" drive Dynapact manual impact wrench



- Stored energy frees or secures very tight fasteners.
- Handle rotation through 60° (approx.) releases torque.
- 10 impacts on 21 mm A/F equate to 1000 N.m.

- Dynapact handle: NK.300M.

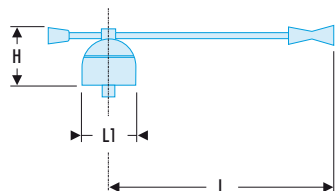
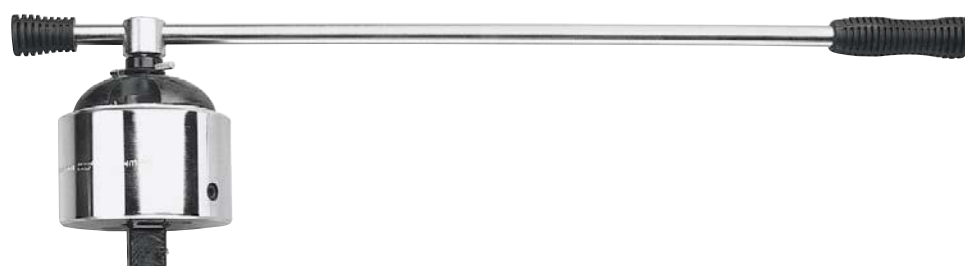
Model	H [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
NK.300	105	470	96	4,00

NK.301AE 3/4" drive Dynapact manual impact wrench set



- Comprising:
 - Wrench NK.300 and 16 tools with locking rings and pins.
 - Sockets: NK.19A - NK.21A - NK.22A - NK.23 A - NK.24A - NK.26A - NK.27A - NK.29A - NK.30A - NK.32A - NK.34A - NK.36A - NK.38A - NK.41A - NK.42A.
 - Extension: NK.210A.
 - Metal case BT.103G, dim. (L. x D. x H.): 643 x 224 x 111 mm.
 - Tray PL.84A.
- Weight: 16.70 kg.

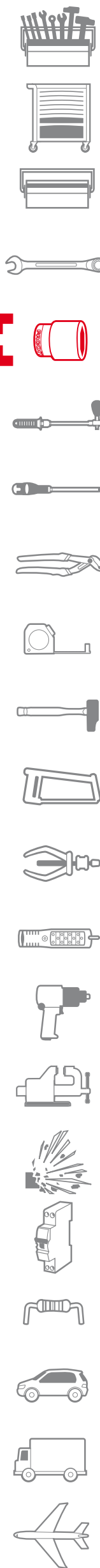
1" drive Dynapact manual impact wrench



- Stored energy frees or secures very tight fasteners.
- Handle rotation through 60° (approx.) releases torque.
- 10 impacts on 21 mm A/F equate to 2000 N.m.

- Dynapact handle: NM.300M.

Model	H [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
NM.300	140	595	125	10,80



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